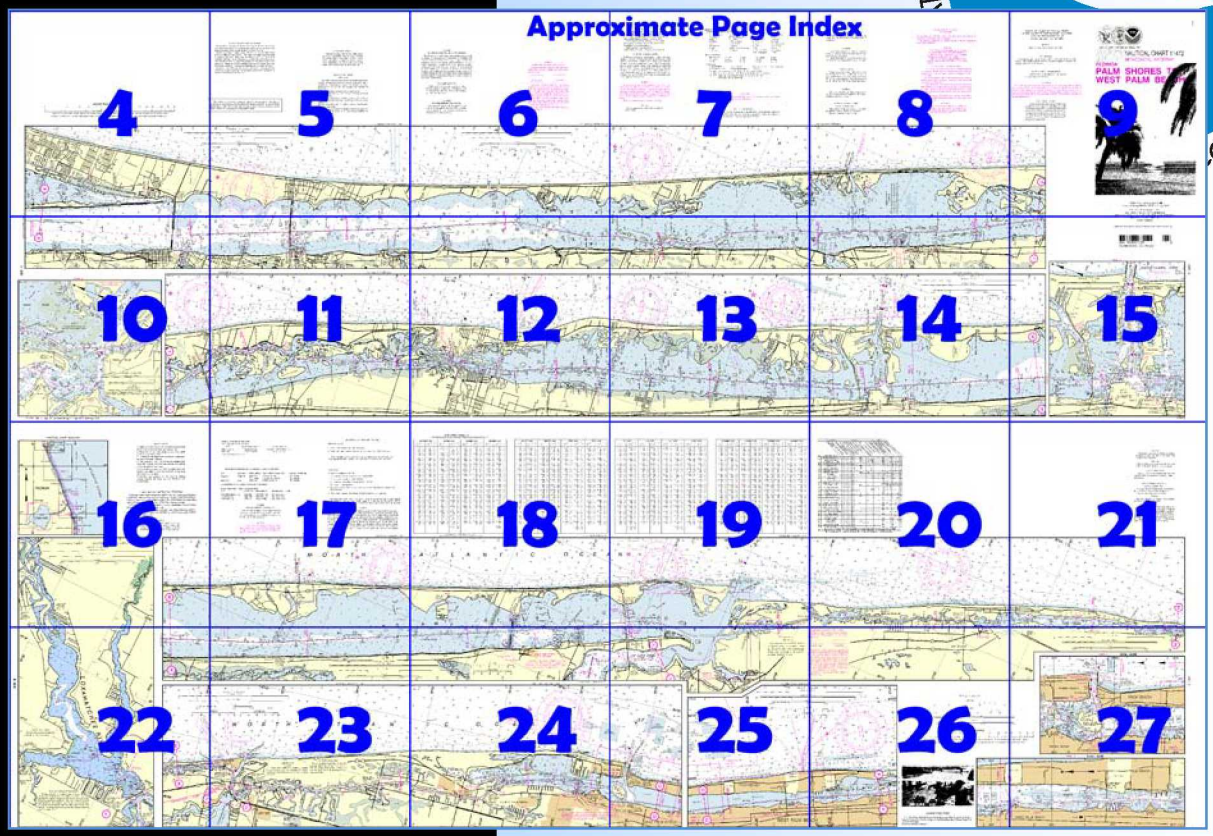
BookletChart™

Intracoastal Waterway - Palm Shores to West Palm Beach

(NOAA Chart 11472)

A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ☑ *Complete, reduced scale nautical chart*
- ☑ *Print at home for free*
- ☑ *Convenient size*
- ☑ *Up to date with all Notices to Mariners*
- ☑ *United States Coast Pilot excerpts*
- ☑ *Compiled by NOAA, the nation's chartmaker.*



Home Edition (not for sale)

Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
301-713-2770

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

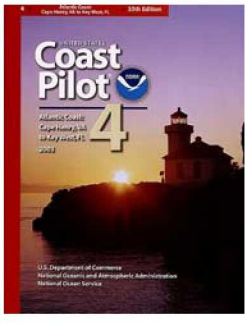
This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



[Coast Pilot 4, Chapter 12 excerpts]

(337) 0.5 mile south of the causeway at **Mile 914.9,** a marked channel leads to a yacht basin inside **Eau Gallie River.** The depth was 10 feet in the entrance channel and in the basin except for depths to 3½ feet along the edges. General depths where the river widens are 3 feet. The basin and the area close E afford shelter from storms. A city ordinance restricts speed to no wake in Eau Gallie River. Several marinas and a boatyard are in the basin.

(338) 0.5 mile above the Eau Gallie River, Route 1 bridge has a clearance of 12 feet. 0.1 mile above the highway bridge, the railroad bridge has a clearance of 12 feet.

(339) **Mile 916.7,** a channel leads to a marina on the west side of Indian River. Electricity, gasoline, diesel fuel, water, pump-out station, launching ramp, wet and dry storage and marine supplies are available. The channel to the marina had a depth of 8 feet.

(341) **Mile 918.7,** 0.5 mile south of the bridges, a channel leads to a turning basin inside **Crane Creek**. The was 5½ feet in the S half and 6 feet in the N half of the entrance with 8 feet in the turning basin. A marina on the N side of the creek has berths with electricity, gasoline, diesel fuel, water, ice, marine supplies, sewage pump-out, wet storage and harbormaster services. The **harbormaster** may be reached by telephone 321-725-9054.

(342) 0.2 mile above the mouth of Crane Creek, Route 1 bridge has a clearance of 15 feet. 175 yards westward of the highway bridge, the railroad bridge has a clearance of 14 feet.

(344) **Turkey Creek.** Route 1 bridge has a clearance of 15 feet. 300 yards above, the railroad bridge has a clearance of 10 feet. A shoal, bare at low water, is in the middle of the entrance to Turkey Creek. A depth of 3 feet was in the natural channel to the east of the shoal area.

(345) A regulated speed zone for the protection of manatees is in Turkey Creek.

(346) Two marinas are on the southern part of Turkey Creek between the two bridges. Berthage with electricity, gasoline, a launching ramp, water, marine supplies, are available. 4 feet was alongside the berths.

(347) Two marinas are on the west side of the Indian River at **Mile 934.0**. Berths, electricity, gasoline, diesel fuel, water, ice, marine supplies, pump-out station and wet storage are available. A depth of 6 feet was in the approach channel and alongside.

(348) **Mile 935.0,** a marina has berthage with electricity, water, ice, and a launching ramp. An approach depth of 3 feet and an alongside depth of 5 feet were reported.

(349) **Saint Sebastian River**. Route 1 bridge has a clearance of 13 feet; avoid the piles of the old bridge 0.3 mile upstream. 1 mile above the highway bridge, the railroad bridge has a clearance of 12 feet.

(350) A marina is west of Route 1 bridge. Berths, electricity, gasoline, water, ice, launching ramp and wet and dry storage are available.

(351) **Pelican Island National Wildlife Refuge** is on the east side of the waterway between **Mile 936.3** and **Mile 942.8.**

(352) **Sebastian.** There are two marinas here that have gasoline, diesel fuel, ice, water, and berthing facilities. An approach depth of 6 feet was reported. A **special anchorage** is off Sebastian.

(353) **Wabasso**. The bridge and causeway between the mainland and the island has a clearance of 9 feet.

(354) The waterway is crooked and subject to strong currents in narrow places from 1 mile north of the Wabasso Bridge to 4 miles south of it.

(356) At **Mile 948.7**, a channel leads to a marina on the west side of Indian River. Berths, electricity, gasoline, diesel fuel, water, ice, limited marine supplies, pump-out station and wet storage are available.

(357) **Vero Beach** is an active ocean resort and yachting center. A **special anchorage** is 0.8 mile northeast of Vero Beach**.**

(358) 0.2 mile north of the bridge, a channel leads eastward to a turning basin off several small-craft facilities. The approach and alongside depth was 8 feet. There are small-craft facilities on both sides of the waterway at Vero Beach. 0.4 mile southward of the bridge, a channel leads from the waterway to Riomar Bay Yacht Club. There are 36 berths with depths of 8 feet. Gasoline, diesel fuel, ice, water, electricity, and complete clubhouse and recreation facilities are available.

(362) A regulated speed zone for the protection of manatees is in the vicinity of the powerplant at Vero Beach**.**

(363) **Mile 964.2**, a channel with a depth of 6 feet leads to a marina in a basin on the west shore of Indian River. Berths, electricity, pump-out station and wet and dry storage are available.

(364) A1A bridge north of Fort Pierce at **Mile 964.8** has a clearance of 26 feet. A marina south of the bridge on the west side of the waterway has berths with electricity, gasoline, diesel fuel, water, ice, pump-out station, wet and dry storage.

(366) **Mile 965.8,** Route A1A bridge. There is a strong crosscurrent at this bridge. At all times maintain sufficient headway to avoid being carried against the fender system.

Table of Selected Chart Notes

NOTE C
CAUTION
An extremely fast current exists in this area.

NOTE B
The daybeacons are private and positions are approximate.

LOXAHATCHEE RIVER
The aids and markers marking the Loxahatchee River are private.

HEIGHTS
Heights in feet above Mean High Water.

LOXAHATCHEE RIVER
The Intracoastal Waterway follows the Loxahatchee River through U.S. Route 1 bascule bridge, then makes a sharp turn southward just east of Florida Route A1A ALT bascule bridge.

NOTE B
The daybeacons are private and positions are approximate.

PLANE COORDINATE GRID
(based on NAD 1927)
Florida State Grid, East Zone, is indicated by dashed ticks at 10,000 foot intervals.
The last three digits are omitted.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

RACING BUOYS
Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

JUPITER INLET
CAUTION
Inlet entrance continually shoaling. Passage through the inlet is not recommended without local knowledge of all hazardous conditions affecting this area.

NOTE D
Depths charted within limits of Dump Sites are from surveys prior to 1963.

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area *Cable Area*

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.
Covered wells may be marked by lighted or unlighted buoys.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION
Small craft should stay clear of large commercial and government vessels even if small craft have the right-of-way.

PLANE COORDINATE GRID
(based on NAD 1927)
Florida State Grid, East Zone, is indicated by dashed ticks at 10,000 foot intervals.
The last three digits are omitted.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

CAUTION
Survey platforms, signs, pipes, piles, and stakes, some submerged, may exist along the maintained channels. Piles and platforms are not charted where they interfere with a light symbol.

CAUTION
Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 4 for important supplemental information.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 1.217" northward and 0.829" eastward to agree with this chart.

CAUTION
BASCULE BRIDGE CLEARANCES
For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

ACKNOWLEDGMENT
The National Ocean Service acknowledges the exceptional cooperation received from members of the Vero Beach and St. Lucie Power Squadrons, District 8, United States Power Squadrons, for continually providing essential information for revising this chart.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

Improved channels, shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION
BASCULE BRIDGE CLEARANCES
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CAUTION
Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
⊙(Accurate location) ○(Approximate location)

Corrected through NM Jul. 04/09, LNM Jun. 30/09

Corrected through NM Jul. 04/09, LNM Jun. 30/09

:orrected through NM Jul. 04/09, LNM Jun. 30/09

CAUTION
WARNINGS CONCERNING LARGE VESSELS
The "Rules of the Road" state that recreational boats shall not impede the passage of a vessel that can navigate only within a narrow channel or fairway. Large vessels may appear to move slowly due to their large size but actually transit at speeds in excess of 12 knots, requiring a great distance in which to maneuver or stop. A large vessel's superstructure may block the wind with the result that sailboats and sailboards may unexpectedly find themselves unable to maneuver. Bow and stern waves can be hazardous to small vessels. Large vessels may not be able to see small craft close to their bows.

RULES OF THE ROAD
(ABRIDGED)
Motorless craft have the right-of-way in almost all cases.
Sailing vessels and motorboats less than sixty-five feet in length shall not hamper, in a narrow channel, the safe passage of a vessel which can navigate only inside that channel.
A motorboat being overtaken has the right-of-way.
Motorboats approaching head to head or nearly so should pass port to port.
When motorboats approach each other at right angles or obliquely, the boat on the right has the right-of-way in most cases.
Motorboats must keep to the right in narrow channels when safe and practicable.
Mariners are urged to become familiar with the complete text of the Rules of the Road in U.S. Coast Guard publication "Navigation Rules."

INTRACOASTAL WATERWAY AIDS
The U.S. Aids to Navigation System is designed for use with nautical charts and the exact meaning of an aid to navigation may not be clear unless the appropriate chart is consulted.
Aids to navigation marking the Intracoastal Waterway exhibit unique yellow symbols to distinguish them from aids marking other waterways.
When following the Intracoastal Waterway southward from Norfolk, VA to Cross Bank in Florida Bay, aids with yellow triangles should be kept on the starboard side of the vessel and aids with yellow squares should be kept on the port side of the vessel.
A horizontal yellow band provides no lateral information, but simply identifies aids to navigation as marking the Intracoastal Waterway.

PRINT-ON-DEMAND CHARTS
NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, http://NauticalCharts.gov, help@NauticalCharts.gov, or OceanGrafix at 1-877-56CHART, http://OceanGrafix.com, or help@OceanGrafix.com.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Florida, or at the Office of the District Engineer, Corps of Engineers in Jacksonville, Florida.
Refer to charted regulation section numbers.

MERCATOR PROJECTION AT SCALE 1:40,000
SOUNDINGS IN FEET AT MEAN LOWER LOW WATER
NORTH AMERICAN DATUM OF 1983
(WORLD GEODETIC SYSTEM 1984)

AKE PARK NOTE E POR
High speed ferries operate between Lake Worth Inlet and Freeport Harbor, Grand Bahama Island. Mariners are cautioned that these craft move very rapidly and may transit waterways at angles to the normal direction of traffic. Ferries may deviate from published routes.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

Additional information can be obtained at nauticalcharts.noaa.gov.

INTRACOASTAL WATERWAY
Project Depths
12 feet Norfolk, VA to Fort Pierce, FL; 10 feet Fort Pierce, FL to Miami, FL; 7 feet Miami, FL to Cross Bank, Florida Bay.
The controlling depths are published periodically in the U.S. Coast Guard Local Notice to Mariners.

Distances
The Waterway is indicated by a magenta line. Mileage distances along the Waterway are in Statute Miles, southward from Norfolk, Virginia, and indicated thus: ——
Tables for converting Statute Miles to International Nautical Miles are given in U.S. Coast Pilot 4.

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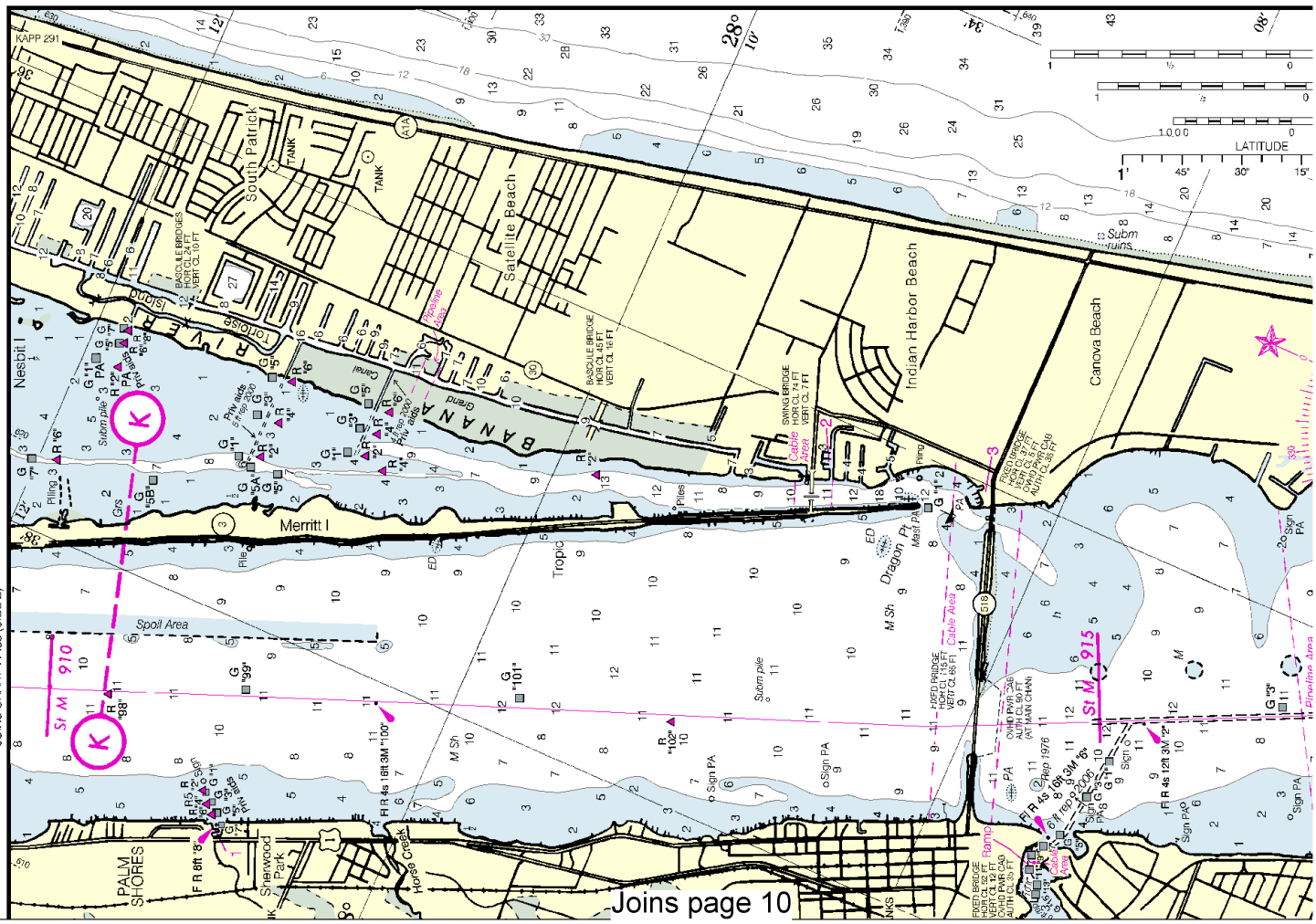
LOGARITHMIC SPEED SCALE

1 2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.



Joins page 10

Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles

1 ½ 0 1 2 3

Yards

1000 0 1000 2000 3000 4000 5000

HURRICANES AND TROPICAL STORMS

anes, tropical storms and other major storms may cause able damage to marine structures, aids to navigation and moored resulting in submerged debris in unknown locations. d soundings, channel depths and shoreline may not reflect actual s following these storms. Fixed aids to navigation may have been d or destroyed. Buoys may have been moved from their charted s, damaged, sunk, extinguished or otherwise made inoperative. should not rely upon the position or operation of an aid to n. Wrecks and submerged obstructions may have been displaced rted locations. Pipelines may have become uncovered or moved. rs are urged to exercise extreme caution and are requested to ds to navigation discrepancies and hazards to navigation to the United States Coast Guard unit.

cal chart has been designed to promote safe navigation. The National encourages users to submit corrections, additions, or comments for chart to the Chief, Marine Chart Division (N/CS2), National Ocean A, Silver Spring, Maryland 20910-3282.

ACKNOWLEDGMENT

The National Ocean Service acknowledges the exceptional cooperation received from members of the Vero Beach and St. Lucie Power Squadrons, District 8, United States Power Squadrons, for continually providing essential information for revising this chart.

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WARNIN

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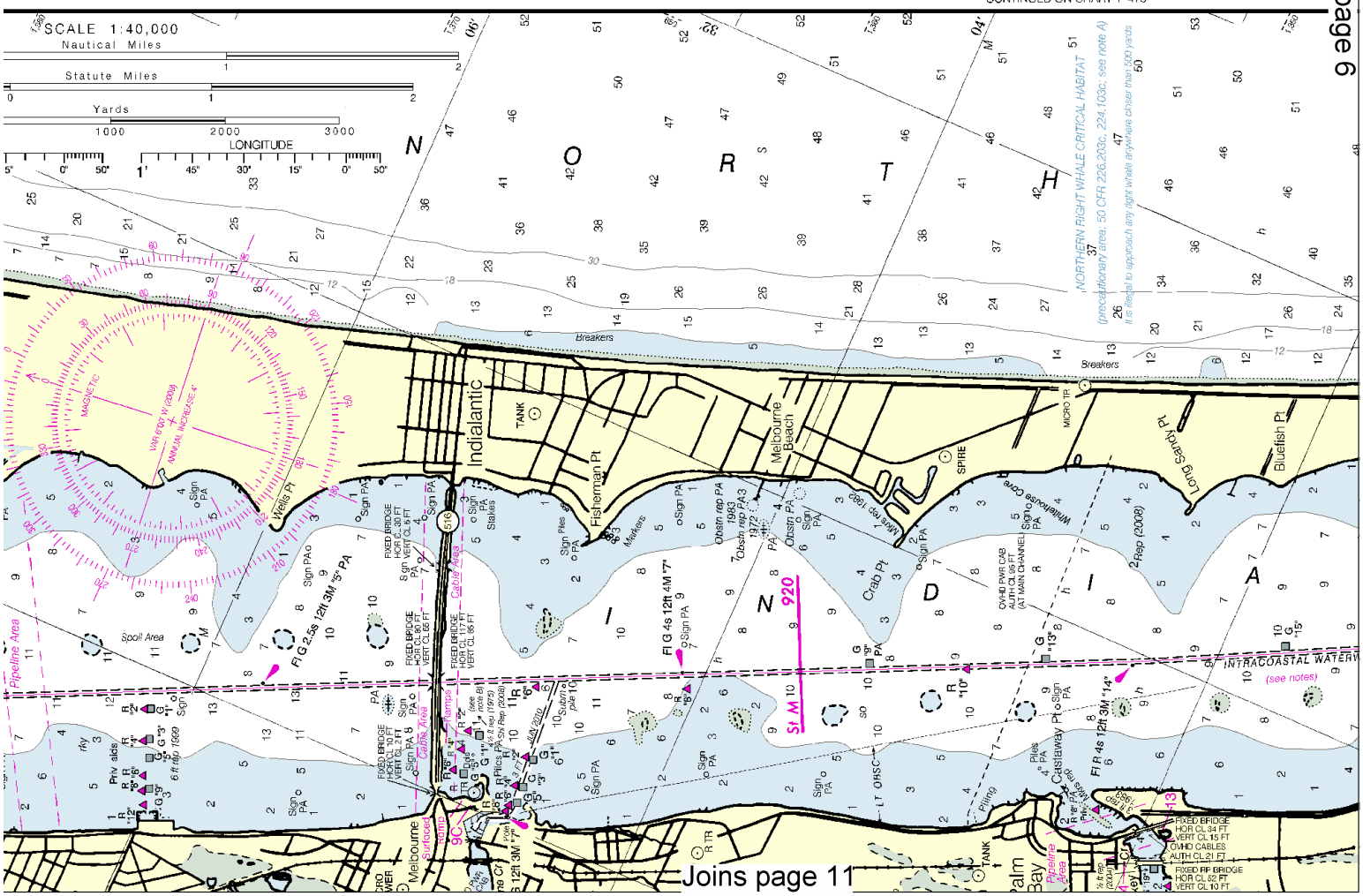

Joins page 6

This BookletChart was reduced to 75% of the original chart scale.
The new scale is 1:53333. Barscales have also been reduced and
are accurate when used to measure distances in this BookletChart.

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CAUTION

SUBMARINE PIPELINES AND CABLES

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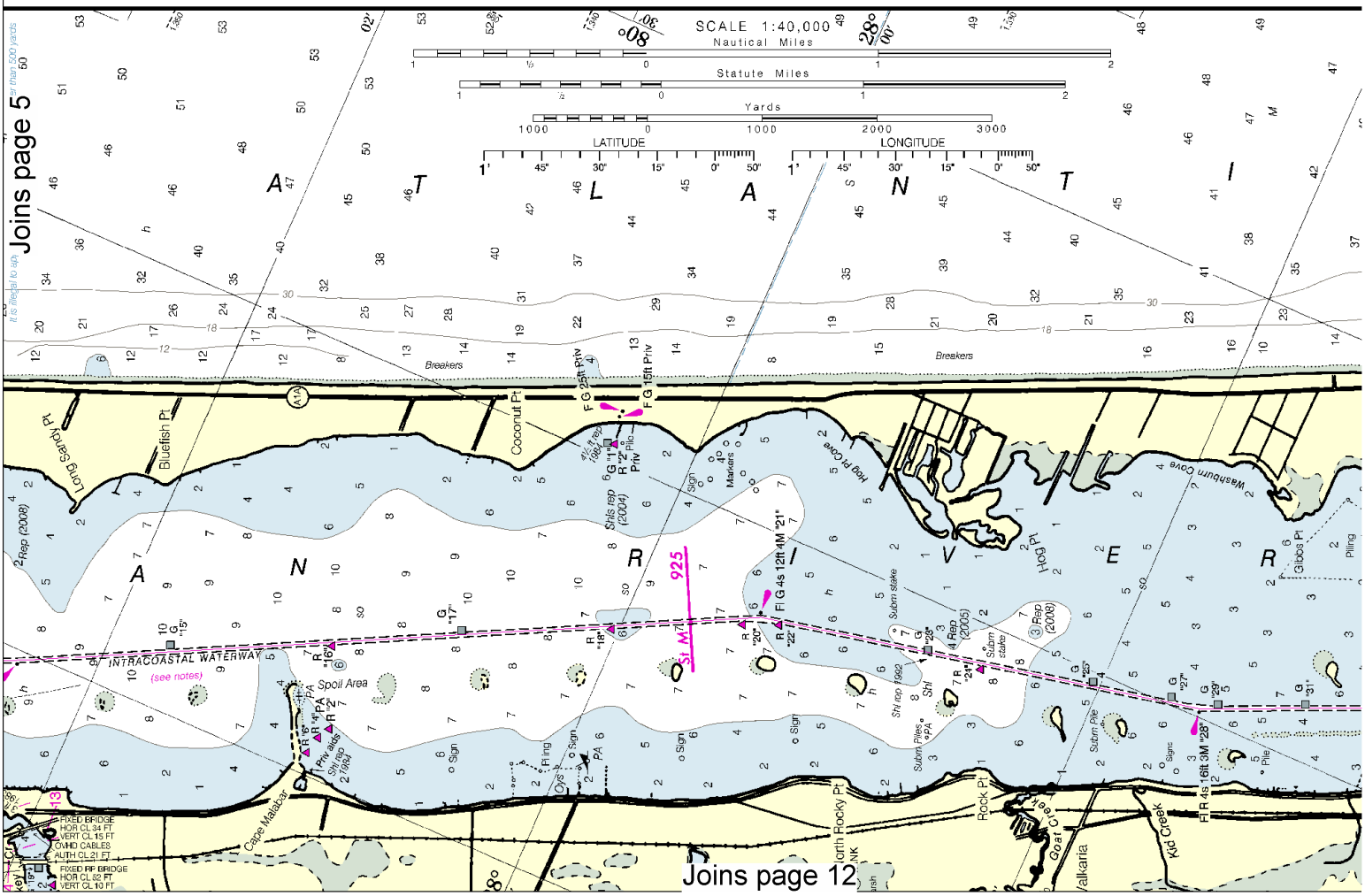
Formerly 845-SC, 1st Edition, 1963 KAPP 2



Printed at reduced scale.

SCALE 1:40,000

Nautical Miles

1 ½ 0 1 2 3

Yards

1000 0 1000 2000 3000 4000 5000

See Note on page 5.

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Refer to charted regulation section numbers.

NOTE B

The daybeacons are private and positions are approximate.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo morse code	R TR radio tower
Al alternating	IQ interrupted quick	N nun	Rot rotating
B black	Iso isophase	OBSC obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

Blds boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Cy clay	Grs grass	M mud	S sand	sy sticky

Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Submg submerged
ED existence doubtful	PA position approximate	Rep reported	

(1) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.
COLREGS: International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus: — — —

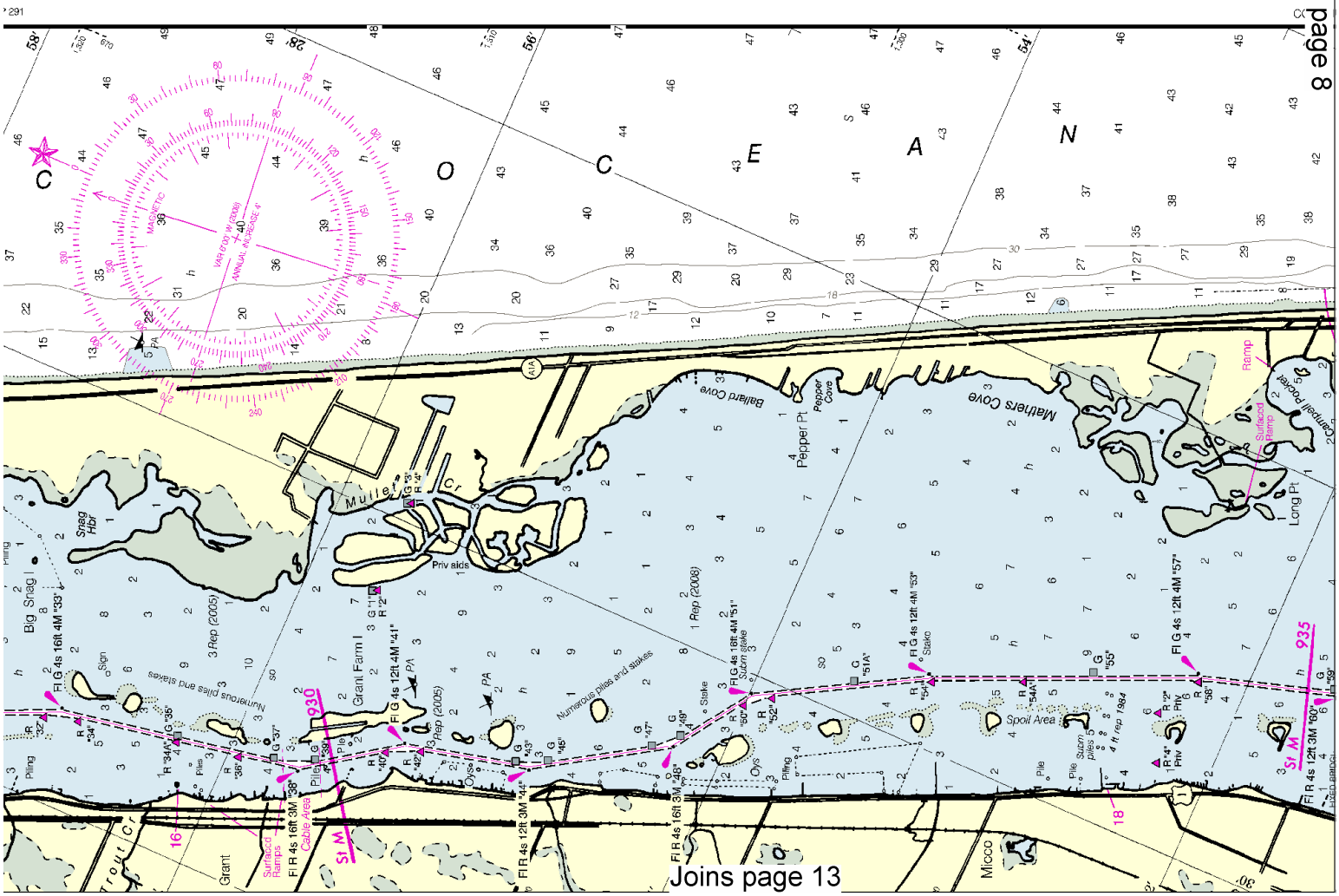
FACILITIES

Locations of public marine facilities are shown by large magenta numbers with leaders and refer to the facility tabulation.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

Joins page 8



Joins page 13

This BookletChart has been updated with: Coast Guard Local Notice To Mariners: 0511 2/1/2011,
NGA Weekly Notice to Mariners: 0711 2/12/2011,
Canadian Coast Guard Notice to Mariners: n/a .

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

Improved channels, shown by broken lines are subject to shoaling, particularly at the edges.

RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

CAUTION

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PLANE COORDINATE GRID

(based on NAD 1927)

Florida State Grid, East Zone, is indicated by dashed ticks at 10,000 foot intervals.

The last three digits are omitted.

INTRACOASTAL WATERWAY

Project Depths

12 feet Norfolk, VA to Fort Pierce, FL; 10 feet Fort Pierce, FL to Miami, FL; 7 feet Miami, FL to Cross Bank, Florida Bay.

The controlling depths are published periodically in the U.S. Coast Guard Local Notice to Mariners.

Distances

The Waterway is indicated by a magenta line. Mileage distances along the Waterway are in Statute Miles, southward from Norfolk, Virginia, and indicated thus: ——•——

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INTRACOASTAL WATERWAY AIDS

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Aids to navigation marking the Intracoastal Waterway exhibit unique yellow symbols to distinguish them from aids marking other waterways.

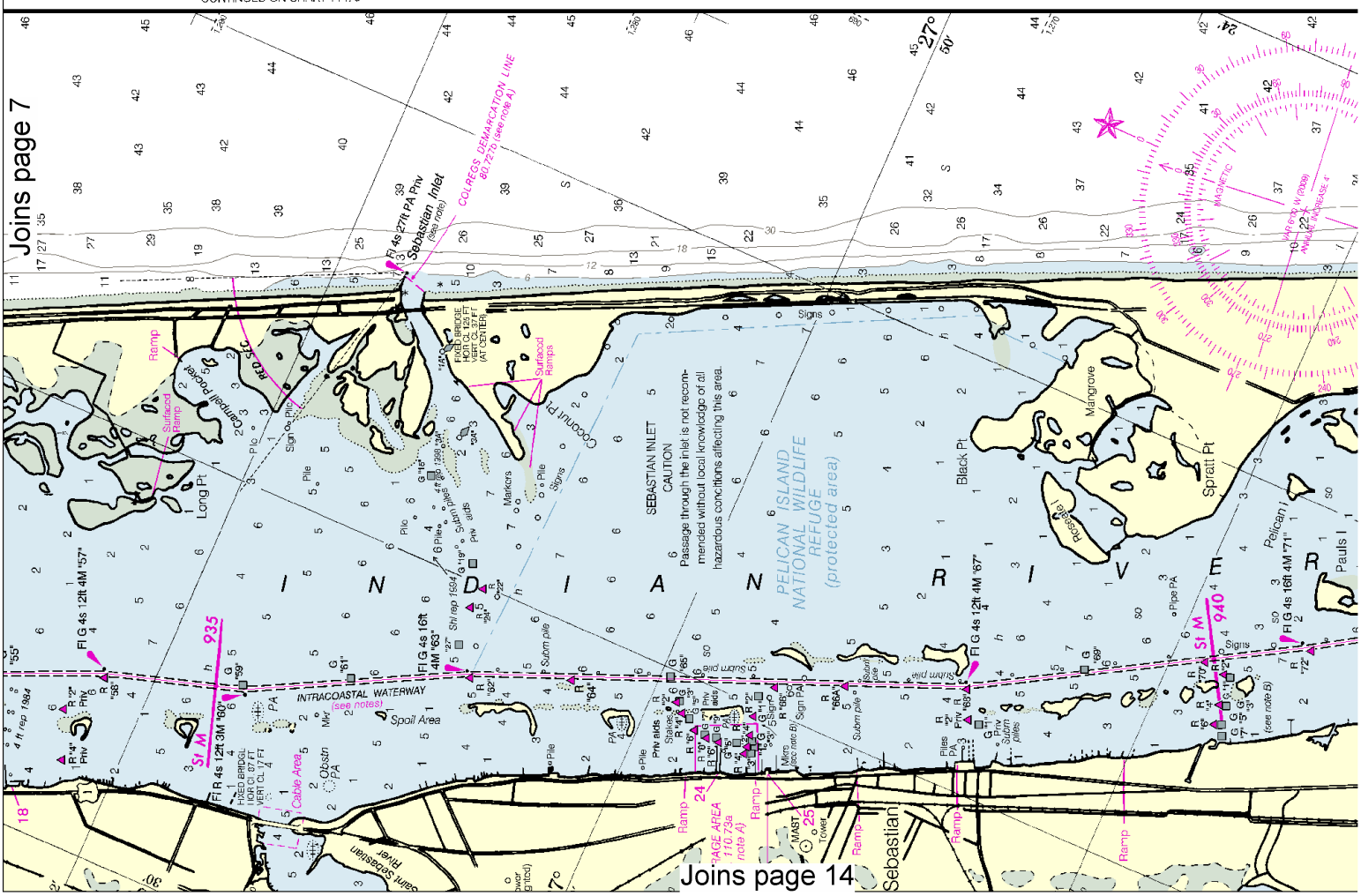
When following the Intracoastal Waterway southward from Norfolk, VA to Cross Bank in Florida Bay, aids with yellow triangles should be kept on the starboard side of the vessel and aids with yellow squares should be kept on the port side of the vessel.

A horizontal yellow band provides no lateral information, but simply identifies aids to navigation as marking the Intracoastal Waterway.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CONTINUED ON CHART 11476



Printed at reduced scale. ~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

See Note on page 5.

MERCATOR PROJECTION AT SCALE 1:40,000
SOUNDINGS IN FEET AT MEAN LOWER LOW WATER
NORTH AMERICAN DATUM OF 1983
(WORLD GEODETIC SYSTEM 1984)

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION

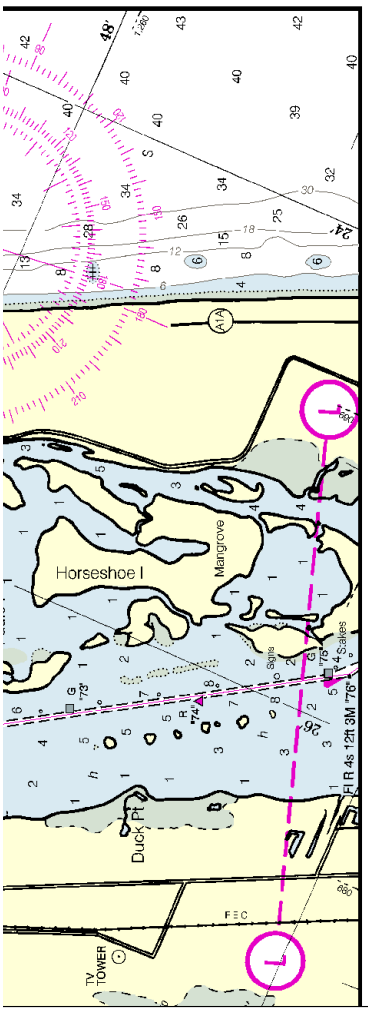
Consult U.S. Coast Pilot 4 for important supplemental information.

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 1.217" northward and 0.829" eastward to agree with this chart.



THE NATION'S CHARTMAKER SINCE 1807

NAUTICAL CHART 11472

INTRACOASTAL WATERWAY

FLORIDA

PALM SHORES TO WEST PALM BEACH

Chart 11472 34th Ed., Jul./09 ■
Corrected through NM Jul. 04/09, LNM Jun. 30/09

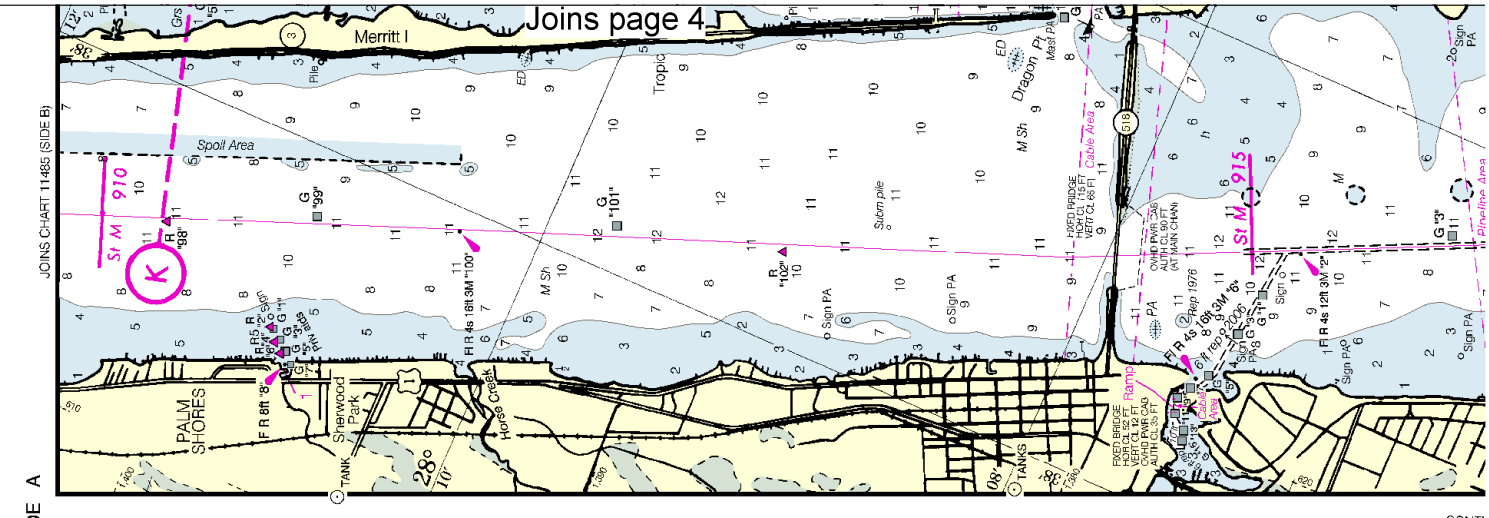
Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

Addit onal information can be obtained at nauticalcharts.noaa.gov.

NSN 7642014010256
NGA REFERENCE NO. 11XHA11472
ED. NO. 34

INSET 1

Joins page 15



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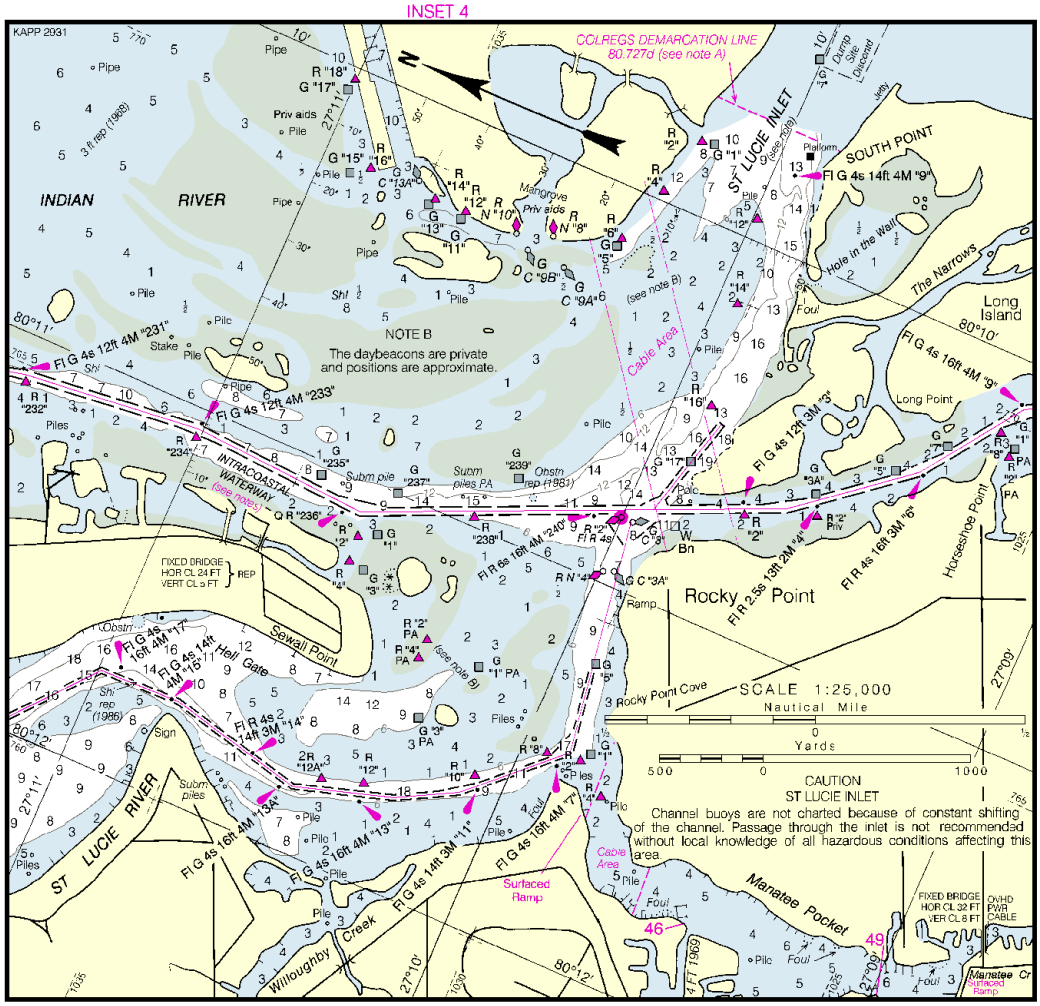
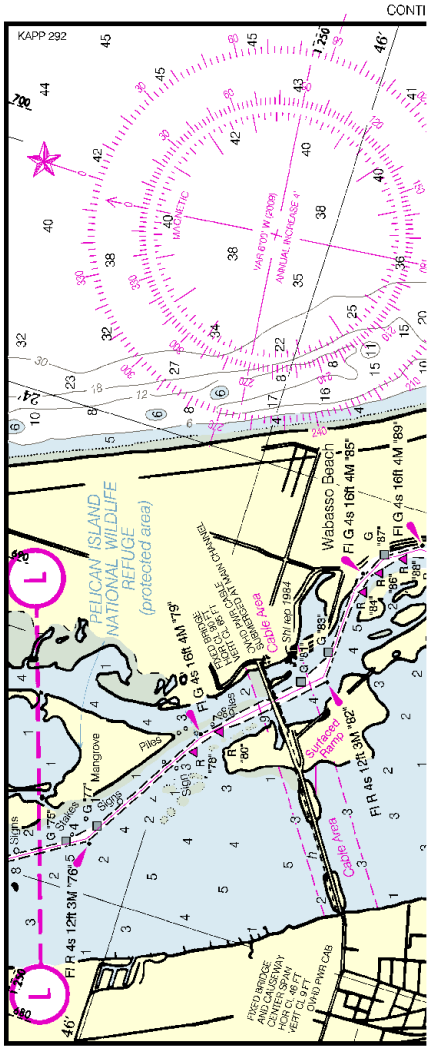
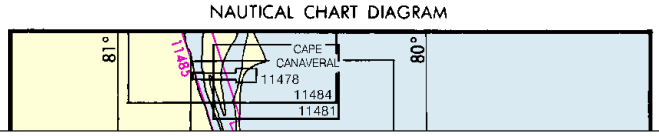




11472 34th Ed., Jul. /09; Corrected through NM Jul. 04/09, LNM Jun. 30/09

NAUTICAL CHART DIAGRAM



SAFETY HINTS

1. Keep your chart up to date by applying all Notices to Mariners corrections when you receive them.

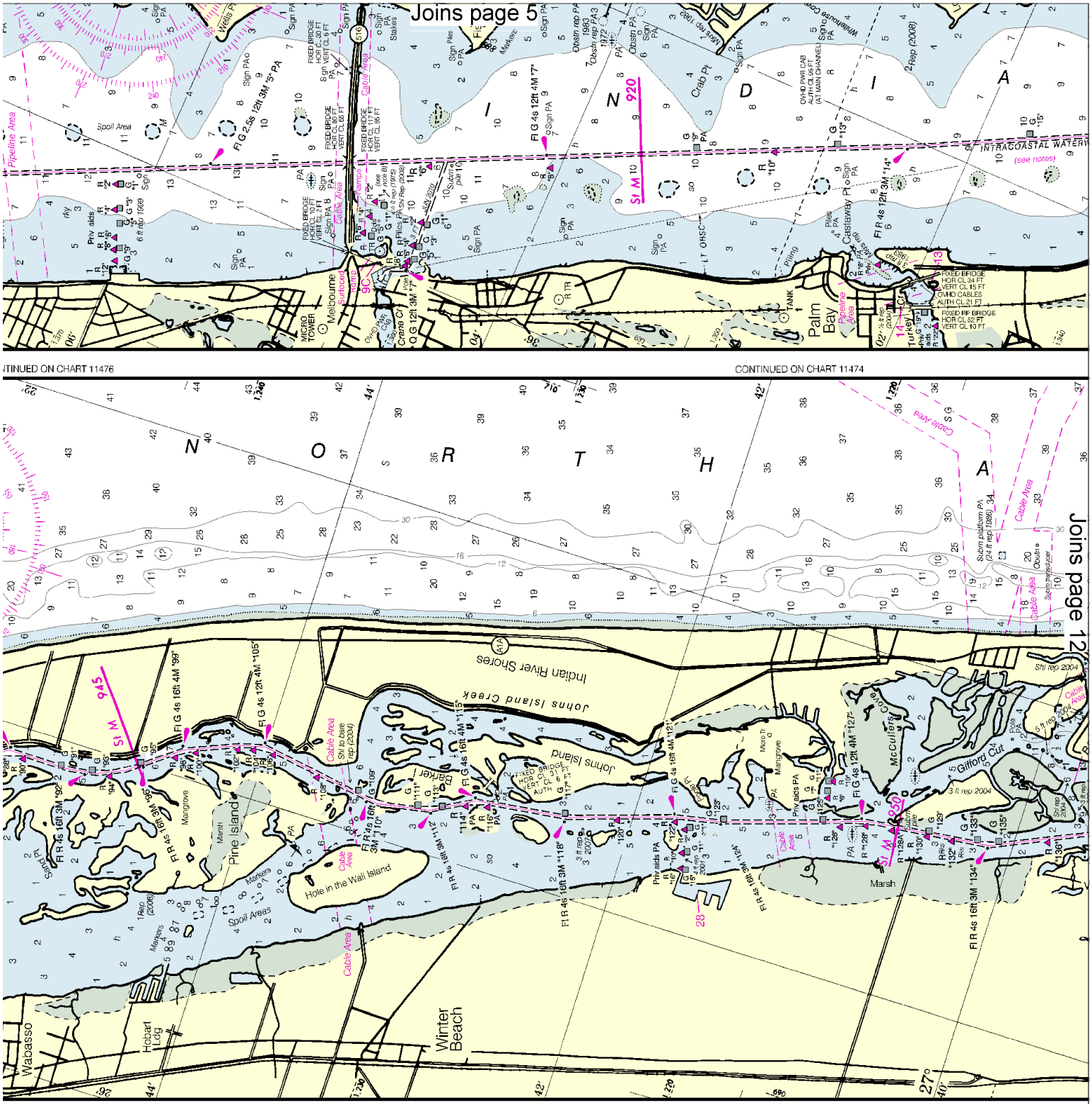
Joins page 16

corefully all notes printed on your chart, each

Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000



MARINE WEATHER FORECASTS
NATIONAL WEATHER SERVICE

CITY	TELEPHONE NUMBER	OFFICE HOURS
Melbourne, FL	*(321) 255-0212	8:00 AM-4:00 PM (Mon.-Fri.)
Miami, FL	(305) 229-4522	24 hours daily

(Recorded (24 hours daily)

WEATHER RULES FOR SAFE BOATING

Before setting out:

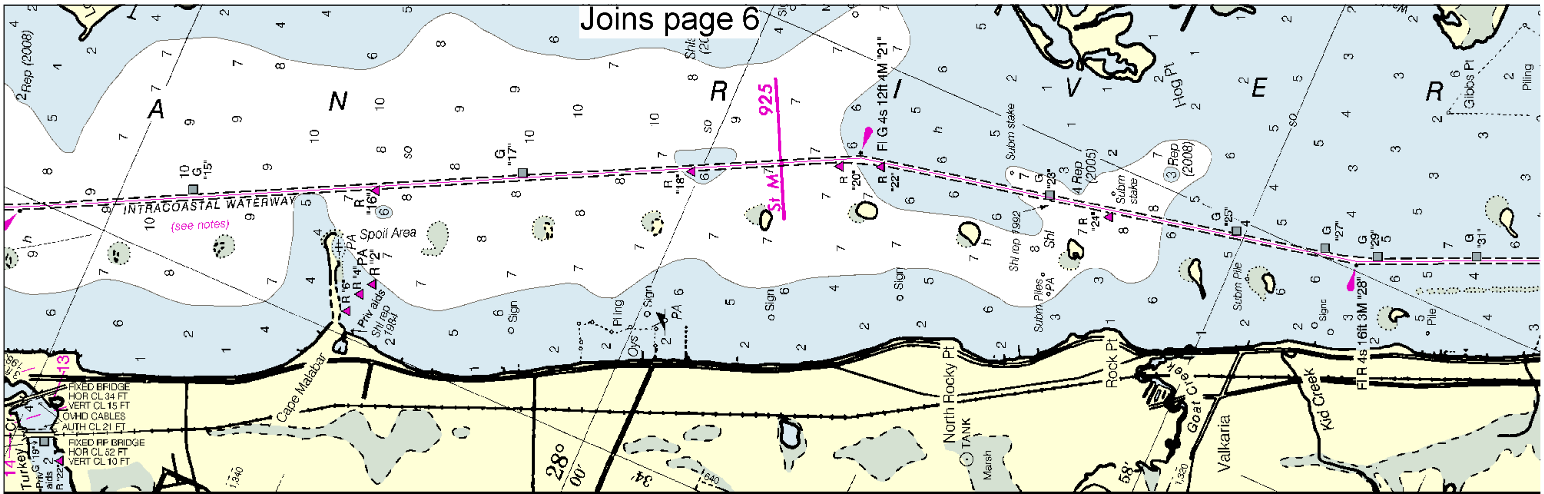
1. Check local weather and sea conditions.

Joins page 17 cast for your area from radio broadcasts.

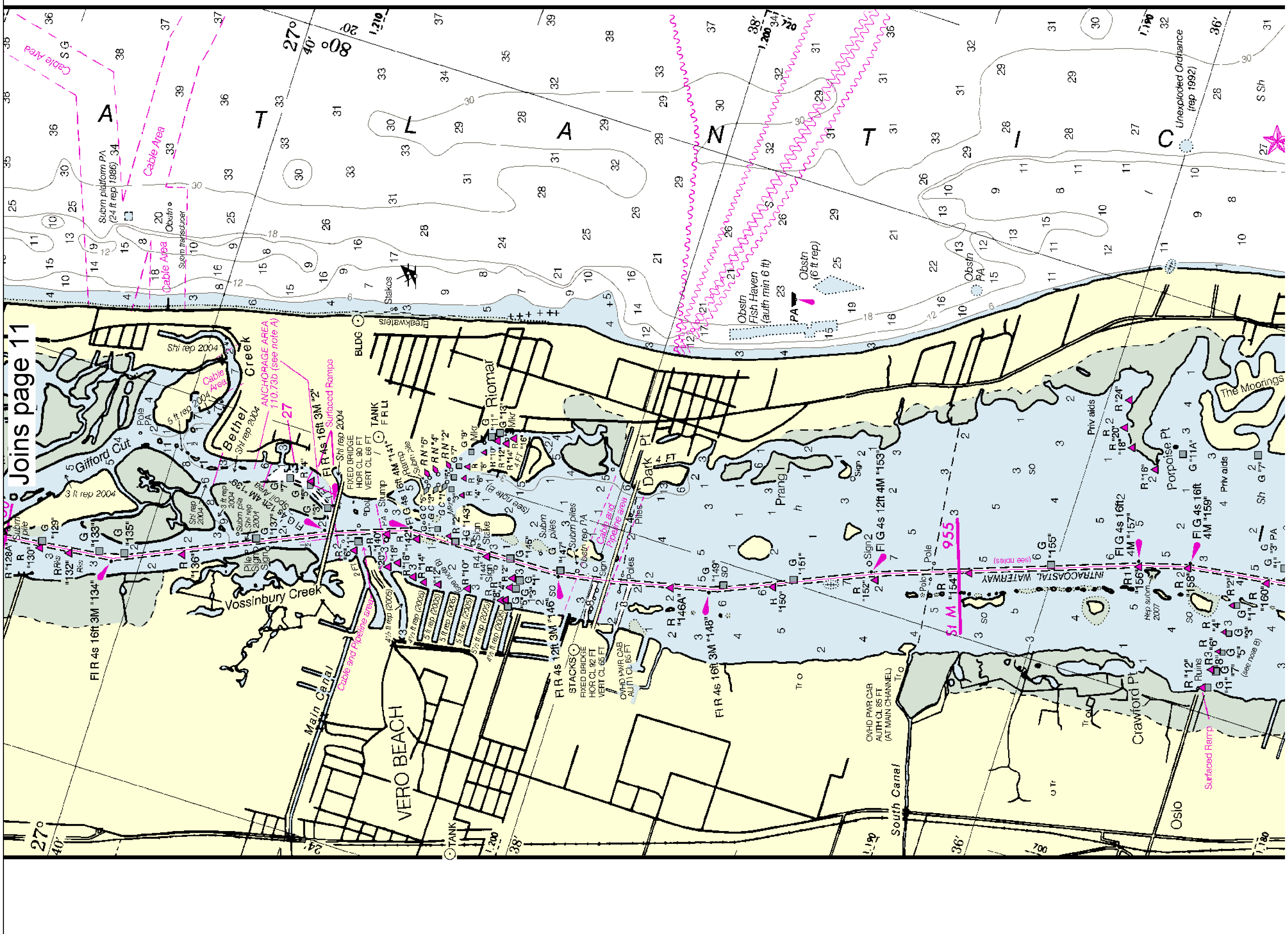
JUNE 2009

Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1 M	0359 0905 1543 2134	2.3 0.1 2.3 0.2	16 Tu	0159 0802 1442 2028	2.0 0.3 2.0 0.4
2 Tu	0356 1000	2.3 0.1	17 W	0247 0857	2.0 0.1

Joins page 6



Joins page 11



MIAMI HARBOR ENTRANCE, FLA.

Predicted times and heights of high and low water-Eastern Standard Time. For Daylight Saving time, add 1 hour.
To predict local tide, apply the time difference listed in the facility tabulations to these tide predictions.

JUNE 2009						JULY 2009						AUGUST 2009						SEPTEMBER 2009					
Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1	0259	2.3	16	0156	2.0	1	0320	2.2	16	0206	2.1	1	0441	2.1	16	0358	2.3	1	0558	2.4	16	0603	3.0
M	0905	-0.1	Tu	0802	0.2	W	0931	-0.	Th	0819	0.0	Sa	1050	0.2	Su	1007	0.0	Tu	1158	0.5	W	1154	0.1
	1543	2.3		1442	2.0		1615	2.2		1509	2.2		1737	2.2		1702	2.5		1834	2.5		1834	3.[illegible]
	2134	0.2		2029	0.4		2202	0.4		2052	0.5		2320	0.6		2242	0.5						
2	0356	2.3	17	0247	2.0	2	0417	2.	17	0306	2.1	2	0536	2.1	17	0509	2.5	2	0023	0.6	17	0020	0.[illegible]
Tu	1000	-0.1	W	0857	0.1	Th	1024	-0.	F	0921	-0.1	Su	1139	0.2	M	1109	-0.1	W	0644	2.5	Th	0658	3.[illegible]

OCTOBER 2009						NOVEMBER 2009						DECEMBER 2009					
Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1	0613	2.7	15	0000	0.2	1	0024	0.3	16	0110	0.0	1	0037	-0.1	16	0134	-0.1
Th	1207	0.7	F	0540	3.3	Su	0709	3.0	M	0758	3.1	Tu	0731	2.9	W	0822	2.6
	1833	2.8		1229	0.4		1251	0.6		1339	0.5		1308	0.4		1402	0.3
	[illegible]	[illegible]		[illegible]	3.2		1915	2.8		2001	2.8		1932	2.7		2022	2.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.1	2	0104	0.2	17	0153	0.0	2	0124	-0.2	17	0215	-0.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.4	M	0753	3.1	Tu	0840	3.0	W	0819	3.0	Th	0901	2.6

Joins page 18

Printed at reduced scale.

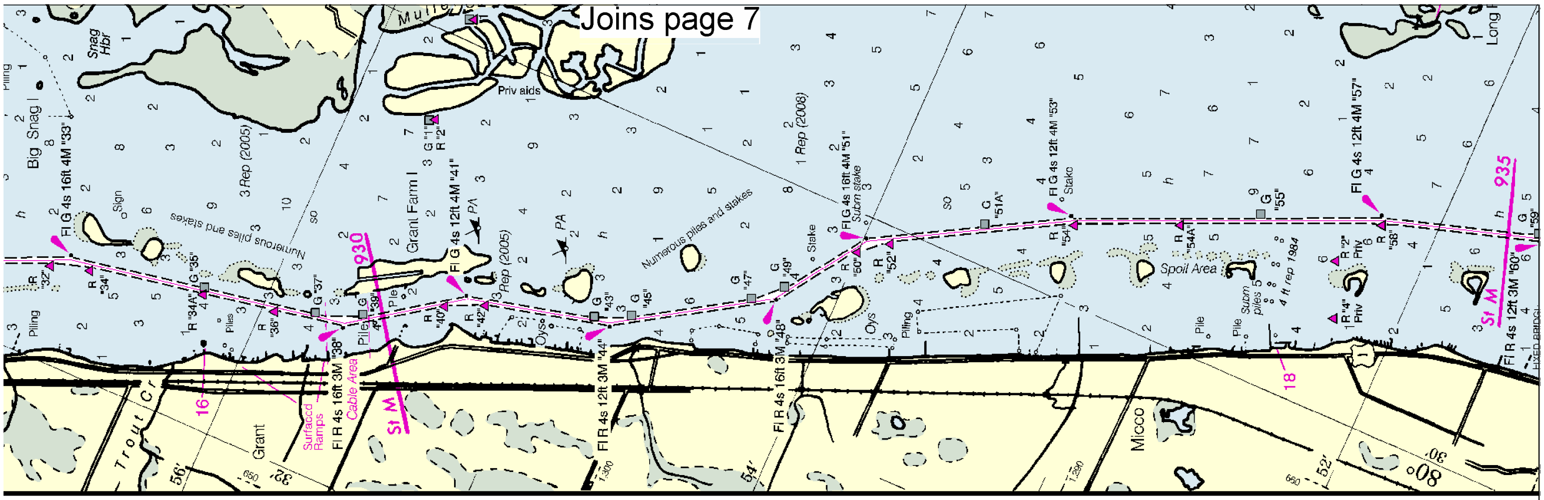
~~SCALE 1:40,000~~

See Note on page 5.

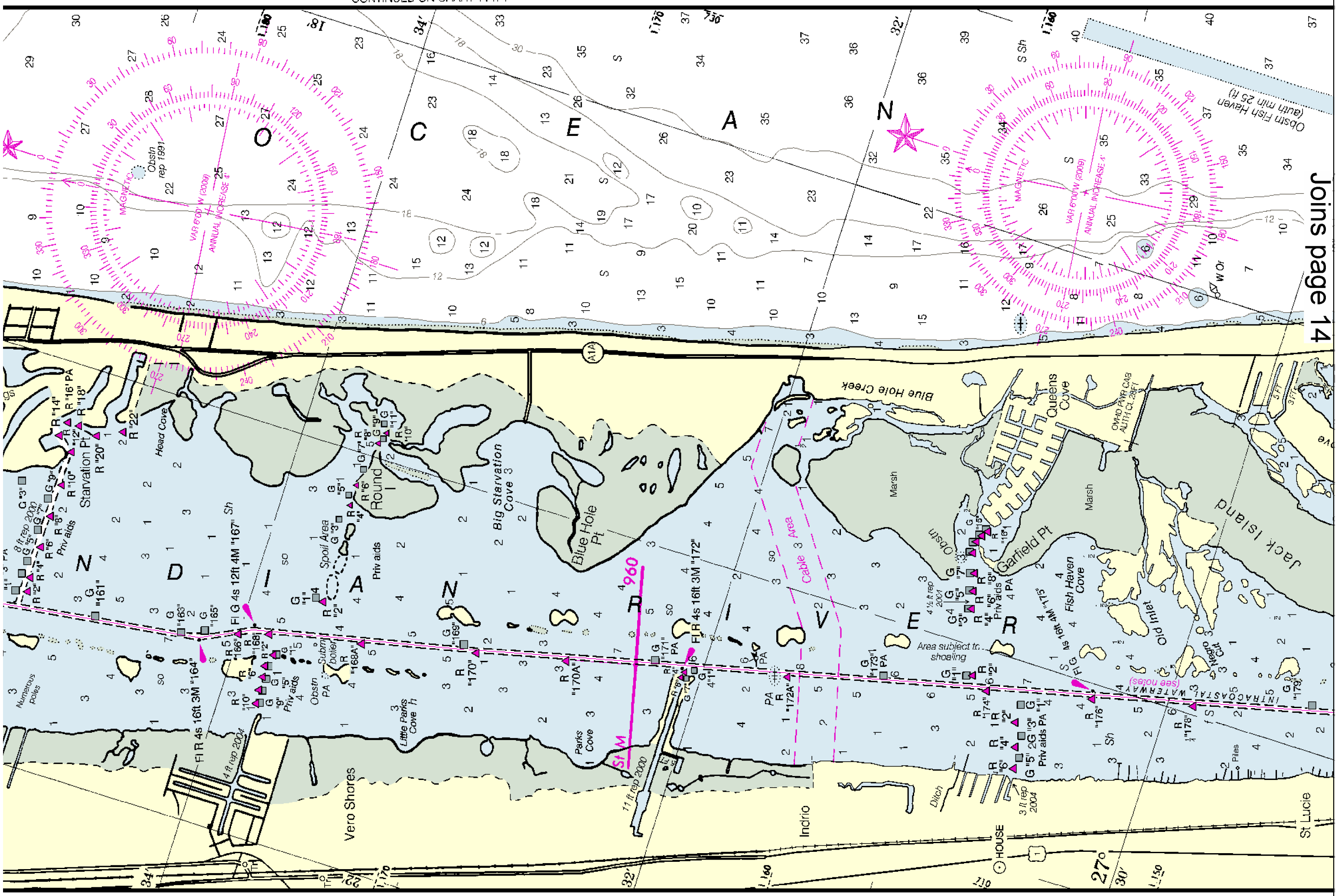
Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

Joins page 7



CONTINUED ON CHART 11474

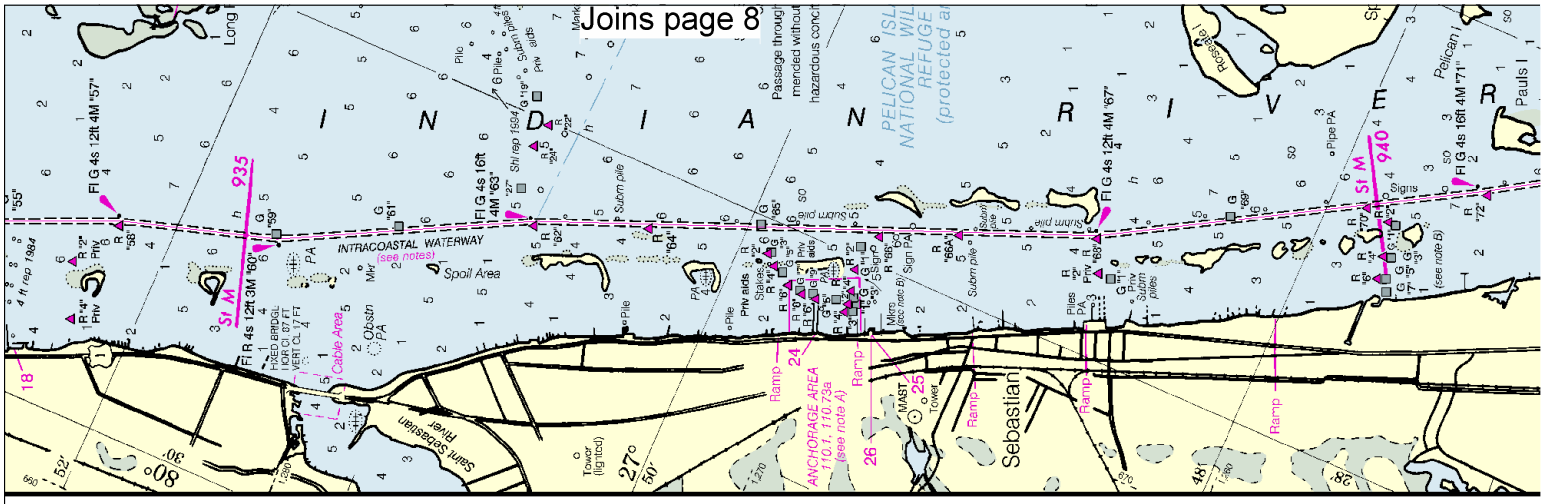


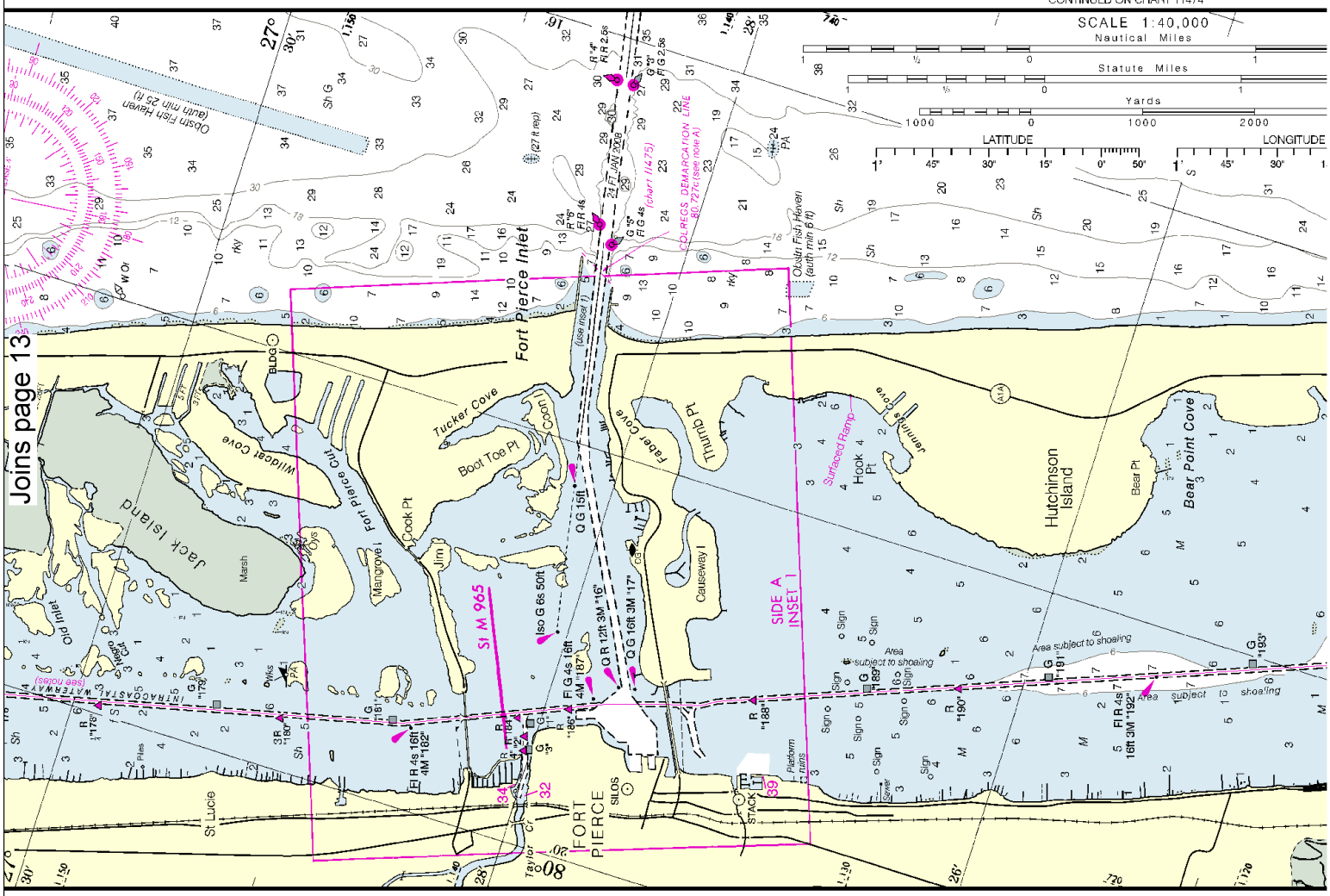
Joins page 14

DEPTHS			SERVICES										SUPPLIES						
CHART SIDE	APPROACH-FEET (REPORTED)	ALONGSIDE-FEET (REPORTED)	ELECTRICITY-MOORINGS-BERTH (TRANSIENTS)	RAMP: SURFACED-NATURAL	REPAIRS: HULL-MOTOR-RADIO	MARINE RAILWAY-FEET	LIFT CAPACITY-TONS	BOAT RENTAL: CANOE-ROW-MOTOR-KAYAK	FOOD-LODGING-CAMPING	CHARTER-HOUSE SAIL	TOILETS-SHOWERS-LAUNDRY	PUMP-OUT STATION	WINTER STORAGE: WET-DRY	NAUTICAL CHART SALES	WATER-ICE	GROCERIES-HARDWARE	BAIT-TACKLE	DIESEL OIL-GASOLINE	

Joins page 19

Joins page 8





Joins page 20

Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

Joins page 9

Chart 11472 34th Ed., Jul. /09 ■
Corrected through NM Jul. 04/09, LNM Jun. 30/09

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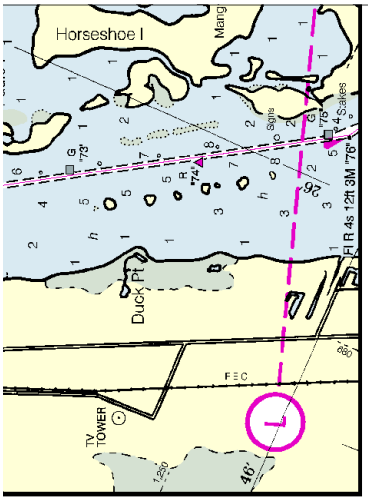
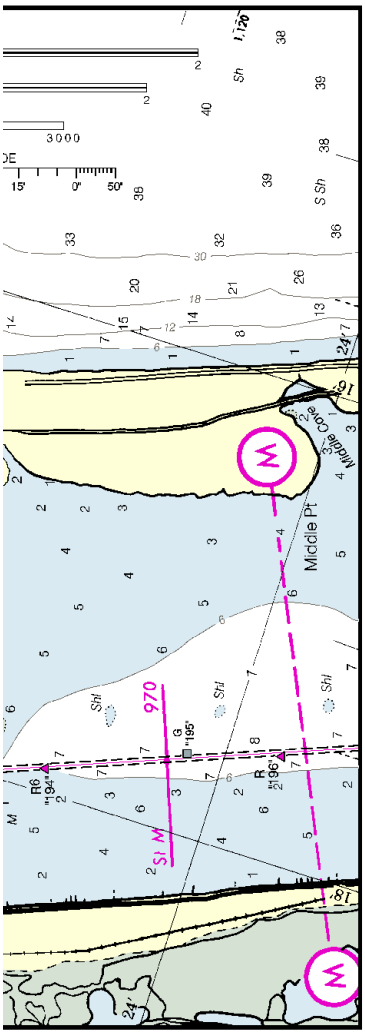
NATIONAL OCEAN SERVICE
COAST SURVEY

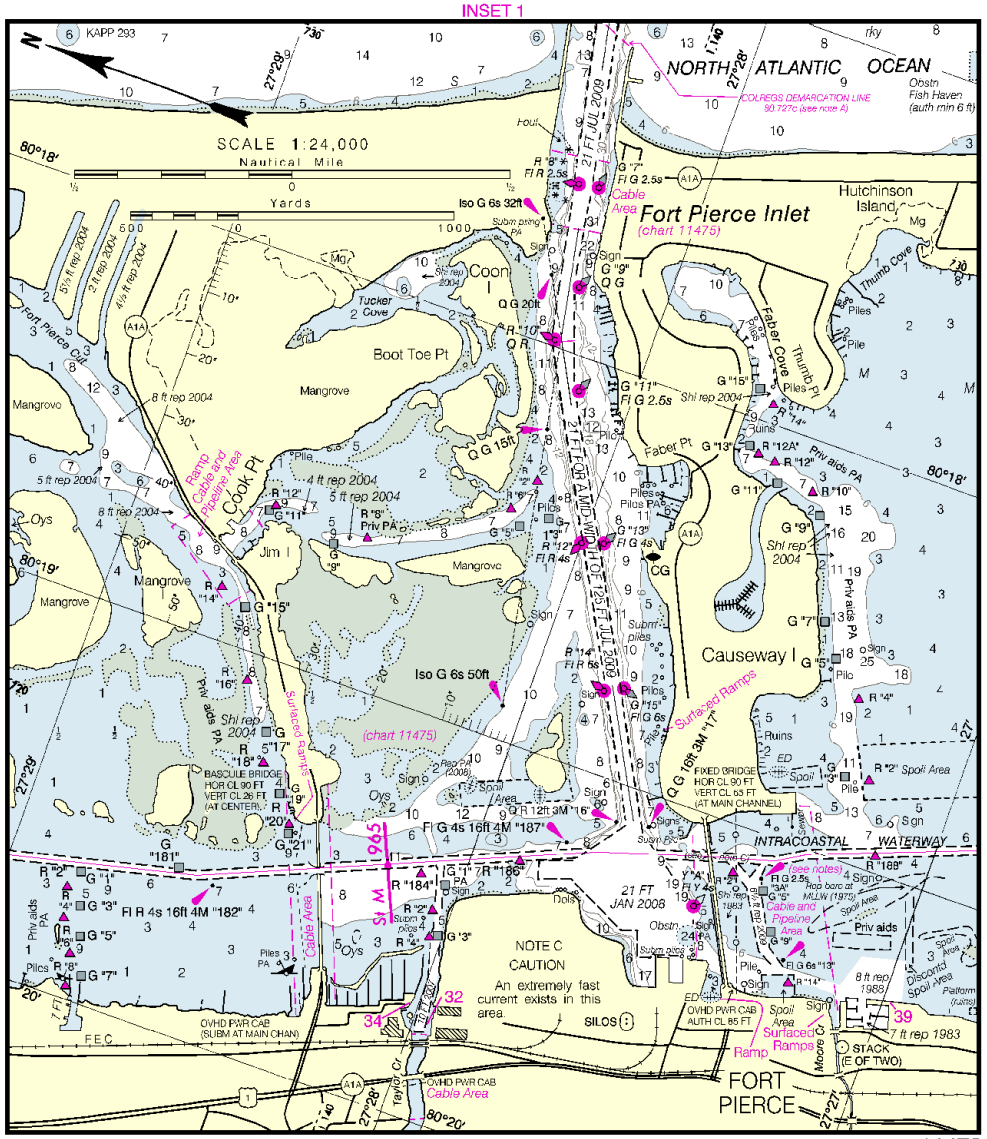
Addit onal information can be obtained at nauticalcharts.noaa.gov.

NSN 7642014010256
NGA REFERENCE NO. 11XHA11472
ED. NO. 34





INSET 1

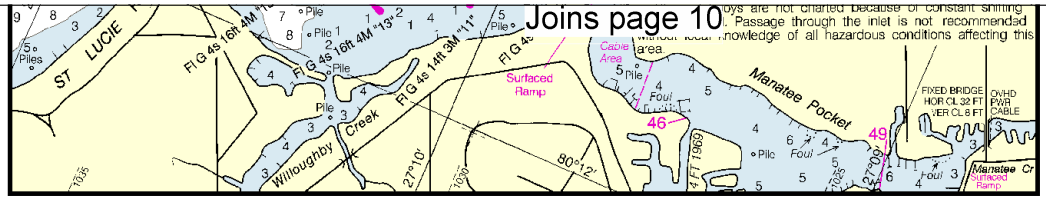


11472

SIDE A

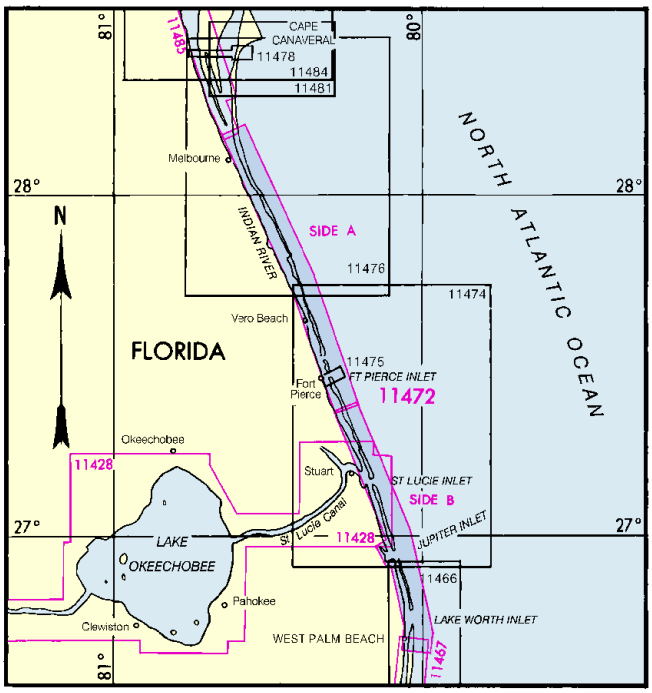
Joins page 21

CAUTION
Temporary changes or defects in aids to



11472 34th Ed., Jul. /09; Corrected through NM Jul. 04/09, LNM Jun. 30/09

NAUTICAL CHART DIAGRAM



SAFETY HINTS

1. Keep your chart up to date by applying all Notices to Mariners corrections when you receive them.
2. Read carefully all notes printed on your chart, each is vital to your safety afloat.
3. Learning the meaning of each symbol and abbreviation on your chart from Chart No. 1.
4. The compass on your chart shows the variation from true north, however you must also correct your bearing for the deviation of your boat.
5. Constantly use your chart from the beginning to end of each trip. Keep in mind the orientation of your boat with respect to the chart.
6. Maintain your position on the chart by relating charted features with those you can identify in your surroundings.

PUBLIC BOATING INSTRUCTION PROGRAMS

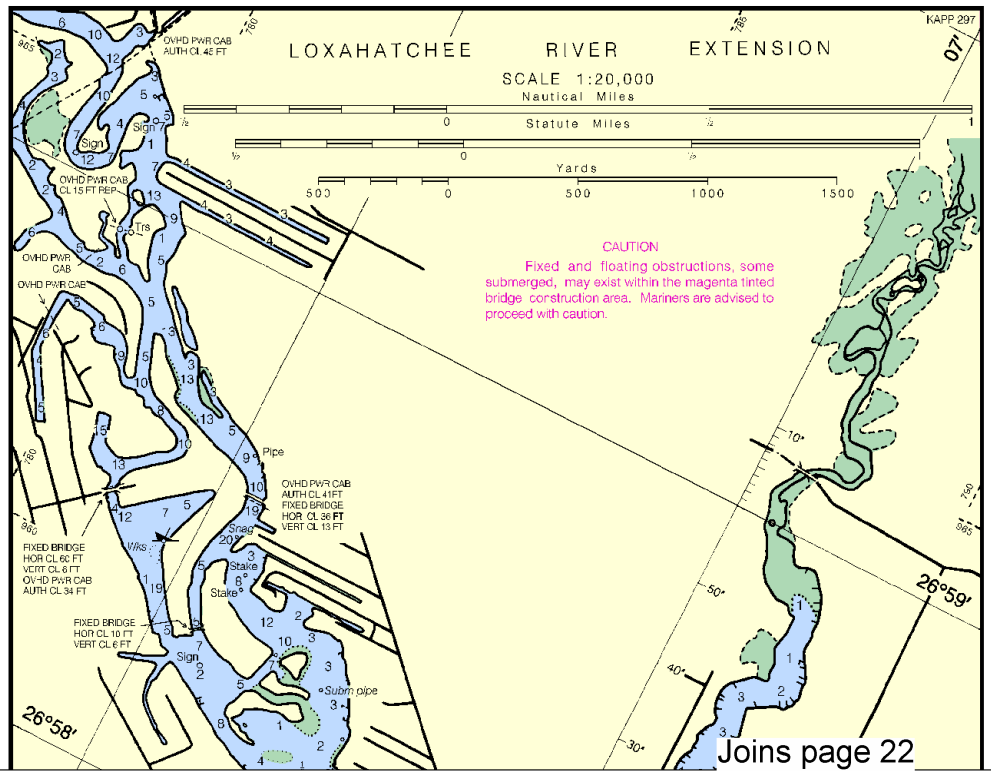
The United States Power Squadrons (USPS) and U.S. Coast Guard Auxiliary (USCGAUX), National Organizations of Boatmen, conduct extensive boating instruction programs in communities throughout the United States. For information regarding these educational courses, contact the following sources:

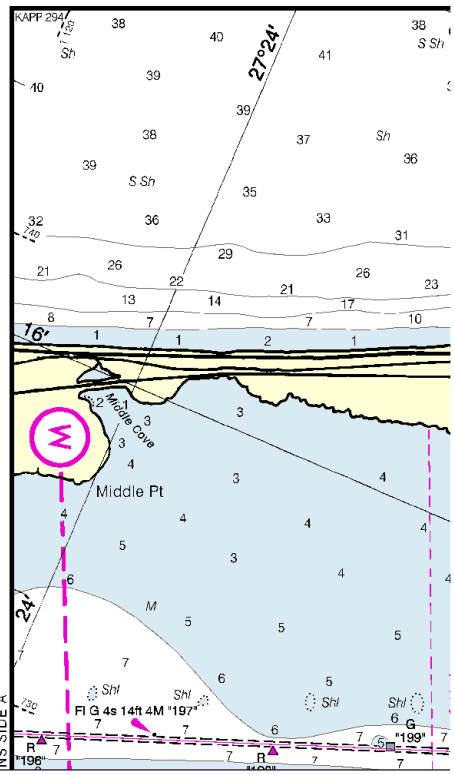
USPS - Local Squadron Commander or USPS Headquarters, Post Office Box 30423, Raleigh, N.C. 27612, 919-821-0281.

USCGAUX – 7th Coast Guard District, Brickell Plaza Federal Building, 909 S.E., 1st Ave., Miami, Fla. 33131-3050, 305-350-5697 or USCG Headquarters (G-BAU), Washington, D.C. 20593-0001.

CAUTION

Survey platforms, signs, pipes, piles, and stakes, some submerged, may exist along the maintained channels. Piles and platforms are not charted where they interfere with a light symbol.



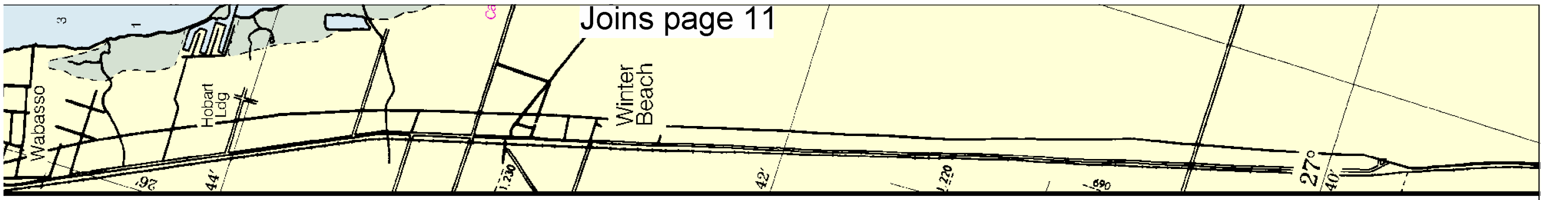


Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

Joins page 11



MARINE WEATHER FORECASTS
NATIONAL WEATHER SERVICE

CITY	TELEPHONE NUMBER	OFFICE HOURS
Melbourne, FL	*(321) 255-0212	8:00 AM-4:00 PM (Mon.-Fri.)
Miami, FL	(305) 229-4522	24 hours daily

*Recorded (24 hours daily)

WEATHER INFORMATION BY MARINE RADIOTELEPHONE

CITY	STATION	FREQUENCY	DAILY BROADCAST-EST	SPECIAL WARNING
Mayport, FL	NMA-10	2670 kHz	1:20 A.M. & P.M.	+On Receipt
		157.1 MHz	7:15 A.M. & 5:15 P.M.	+On Receipt
Miami, FL	NCF	2670 kHz	10:50 A.M. & P.M.	+On Receipt

+Preceded By Announcement on 2182 kHz/156.8 MHz

NOAA WEATHER RADIO BROADCASTS

CITY	STATION	FREQUENCY	BROADCAST TIMES
West Palm Beach, FL	KEC-50	162.475 MHz	24 Hours Daily
Fort Pierce, FL	WWF-69	162.425 MHz	24 Hours Daily
Melbourne, FL	WXJ-70	162.55 MHz	24 Hours Daily

CAUTION
BASCULE BRIDGE CLEARANCES

For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

CAUTION

Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.

WEATHER RULES FOR SAFE BOATING

Before setting out:

1. Check local weather and sea conditions.
2. Obtain the latest weather forecast for your area from radio broadcasts.

When warnings are in effect, don't go out unless you are confident your boat can be navigated safely under forecast conditions of wind and sea.

While afloat:

1. Keep a weather eye out for:
   A. A sudden vertical cumulus cloud development
   B. A sudden change in wind direction
   C. A sudden noticeable increase in wind velocity
   D. A drop in temperature
2. Be alert to heavy static on your AM radio which may indicate approaching thunderstorms
3. Check radio weather broadcasts for latest forecasts and warnings

Thundersqualls often occur on warm, moist afternoons and are a great hazard to the mariner. They can have winds gusts up to 80 mph and hit almost without warning. To survive a squall, you must prevent being capsized or blown to leeward into danger.

NOTE X

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

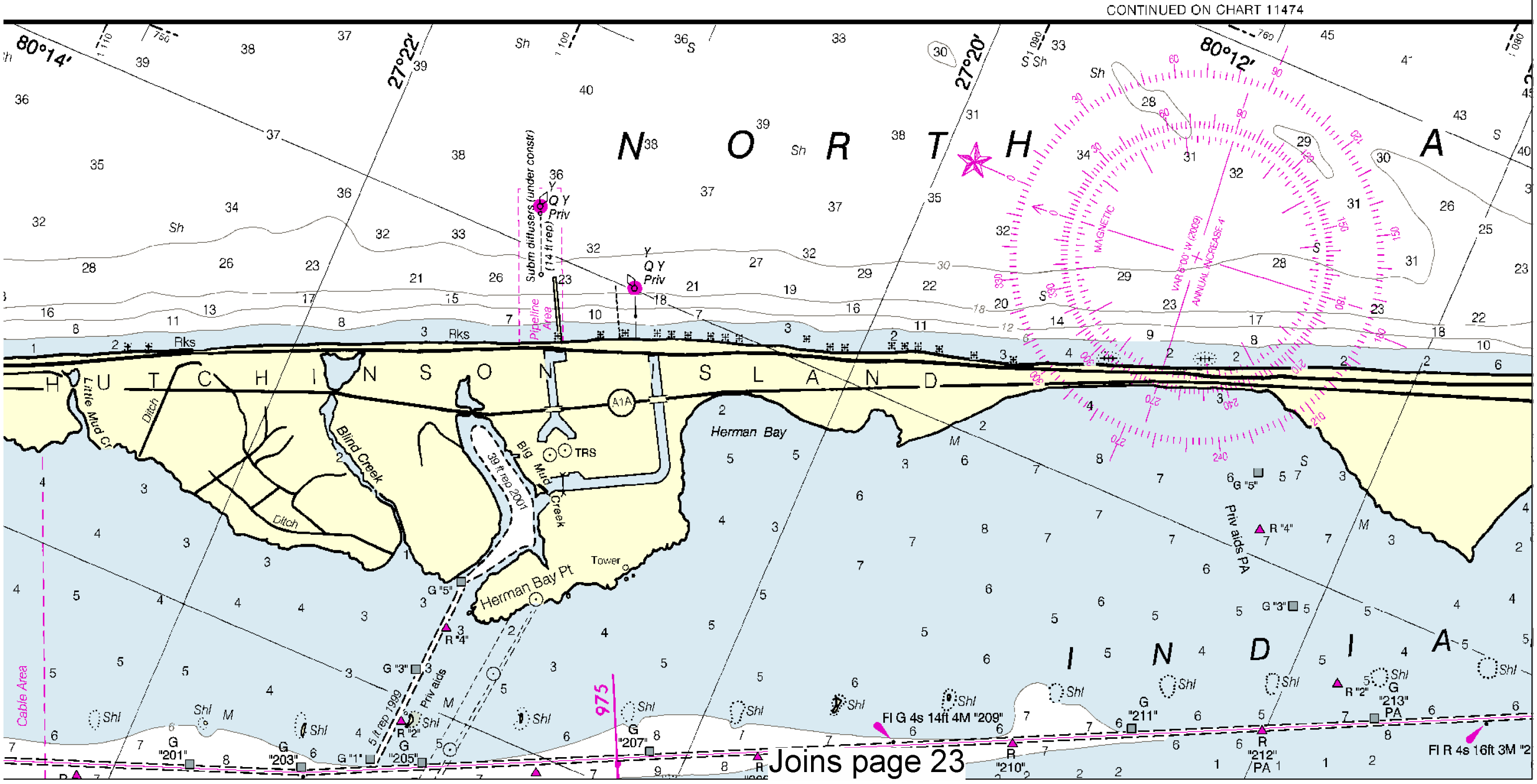
Predicted
To

JUNE 2009

Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1 M	0259	2.3	16 Tu	0156	2.0
	0905	-0.1		0802	0.2
	1543	2.3		1442	2.0
	2134	0.2		2029	0.4
2 Tu	0356	2.3	17 W	0247	2.0
	1000	-0.1		0857	0.1
	1643	2.4		1542	2.1
	2230	0.3		2128	0.4
3 W	0451	2.2	18 Th	0343	2.1
	1052	-0.2		0953	-0.1
	1739	2.4		1643	2.2
	2322	0.3		2226	0.3
4 Th	0543	2.2	19 F	0443	2.1
	1140	-0.2		1048	-0.3
	1829	2.4		1743	2.4
				2322	0.2
5 F	0010	0.3	20 Sa	0543	2.2
	0630	2.2		1143	-0.4
	1225	-0.2		1840	2.5
	1915	2.4			
6 Sa	0055	0.3	21 Su	0017	0.1
	0715	2.2		0641	2.4
	1308	-0.2		1237	-0.5
	1957	2.4		1935	2.7
7 Su	0137	0.3	22 M	0111	0.0
	0757	2.2		0739	2.5
	1350	-0.2		1331	-0.6
	2037	2.4		2027	2.8
8 M	0218	0.3	23 Tu	0204	-0.1
	0837	2.2		0834	2.6
	1430	-0.1		1425	-0.7
	2116	2.4		2118	2.8
9 Tu	0259	0.3	24 W	0258	-0.2
	0917	2.2		093	
	1509	-0.1		151	
	2154	2.3		220	
10 W	0338	0.3	25 Th	035	
	0957	2.1		102	
	1548	0.0		161	
	2232	2.3		225	
11 Th	0418	0.3	26 F	044	
	1038	2.1		112	
	1626	0.1		171	
	2310	2.2		234	
12 F	0457	0.3	27 Sa	054	
	1120	2.0		121	
	1706	0.2		180	
	2349	2.2			
13 Sa	0539	0.3	28 Su	003	
	1205	2.0		064	
	1749	0.3		131	
				190	
14 Su	0029	2.1	29 M	013	
	0623	0.3		073	
	1253	2.0		1413	2.3
	1837	0.3		2006	0.2
15 M	0111	2.1	30 Tu	0225	2.3
	0711	0.3		0835	-0.1
	1345	2.0		1514	2.3
	1931	0.4		2105	0.3

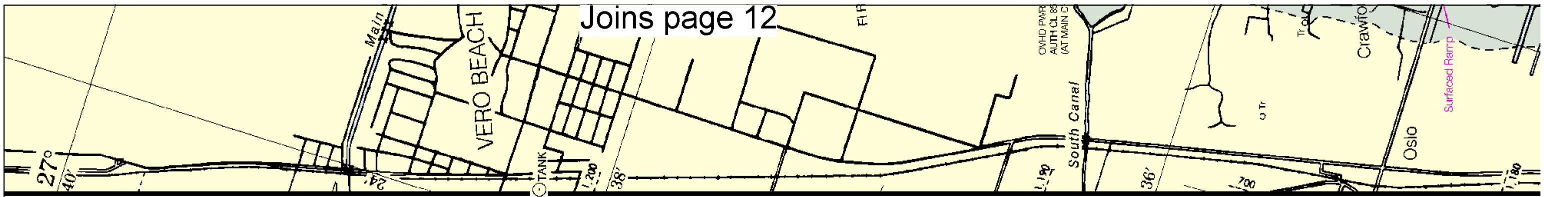
Joins page 18

CONTINUED ON CHART 11474



Joins page 23

Joins page 12



MIAMI HARBOR ENTRANCE, FLA.

Predicted times and heights of high and low water-Eastern Standard Time. For Daylight Saving time, add 1 hour.
To predict local tide, apply the time difference listed in the facility tabulations to these tide predictions.

JUNE 2009

Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1 M	0259 0905 1543 2134	2.3 -0.1 2.3 0.2	16 Tu	0156 0802 1442 2029	2.0 0.2 2.0 0.4
2 Tu	0356 1000 1643 2230	2.3 -0.1 2.4 0.3	17 W	0247 0857 1542 2128	2.0 0.1 2.1 0.4
3 W	0451 1052 1739 2322	2.2 -0.2 2.4 0.3	18 Th	0343 0953 1643 2226	2.1 -0.1 2.2 0.3
4 Th	0543 1140 1829	2.2 -0.2 2.4	19 F	0443 1046 1743 2322	2.1 -0.3 2.4 0.2
5 F	0010 0630 1225 1915	0.3 2.2 -0.2 2.4	20 Sa	0543 1143 1840	2.2 -0.4 2.5
6 Sa	0055 0715 1308 1957	0.3 2.2 -0.2 2.4	21 Su	0017 0641 1237 1935	0.1 2.4 -0.5 2.7
7 Su	0137 0757 1350 2037	0.3 2.2 -0.2 2.4	22 M	0111 0739 1331 2027	0.0 2.5 -0.6 2.8
8 M	0218 0837 1430 2116	0.3 2.2 -0.1 2.4	23 Tu	0204 0834 1425 2118	-0.1 2.6 -0.7 2.8
9 Tu	0259 0917 1509 2154	0.3 2.2 -0.1 2.3	24 W	0258 0930 1519 2209	-0.2 2.6 -0.6 2.8
10 W	0338 0957 1548 2232	0.3 2.1 0.0 2.3	25 Th	0352 1025 1614 2258	-0.2 2.6 -0.5 2.8
11 Th	0418 1038 1626 2310	0.3 2.1 0.1 2.2	26 F	0447 1120 1710 2348	-0.3 2.6 -0.3 2.7
12 F	0457 1120 1706 2349	0.3 2.0 0.2 2.2	27 Sa	0543 1216 1807	-0.3 2.5 -0.2
13 Sa	0539 1205 1749	0.3 2.0 0.3	28 Su	0039 0640 1314 1906	2.5 -0.2 2.4 0.0
14 Su	0029 0623 1253 1837	2.1 0.3 2.0 0.3	29 M	0131 0738 1413 2006	2.4 -0.2 2.3 0.2
15 M	0111 0711 1345 1931	2.1 0.3 2.0 0.4	30 Tu	0225 0835 1514 2105	2.3 -0.1 2.3 0.3

JULY 2009

Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1 W	0320 0931 1615 2202	2.2 -0. 2.2 0.4	16 Th	0206 0819 1509 2052	2.1 0.0 2.2 0.5
2 Th	0417 1024 1712 2255	2. -0. 2.2 0.4	17 F	0306 0921 1615 2156	2.1 -0.1 2.2 0.4
3 F	0512 1115 1805 2345	2. -0. 2.2 0.4	18 Sa	0413 1023 1720 2258	2.2 -0.2 2.4 0.3
4 Sa	0603 1202 1852	2. -0. 2.2	19 Su	0521 1123 1821 2357	2.3 -0.4 2.5 0.2
5 Su	0032 0650 1247 1935	0.4 2. -0. 2.3	20 M	0625 1221 1918	2.4 -0.5 2.7
6 M	0115 0734 1328 2014	0.3 2. -0. 2.3	21 Tu	0054 0724 1317 2008	0.0 2.6 -0.6 2.8
7 Tu	0156 0815 1408 2052	0.3 2. -0. 2.3	22 W	0148 0821 1410 2058	-0.1 2.7 -0.6 2.9
8 W	0236 0856 1446 2129	0.3 2.2 -0. 2.3	23 Th	0240 0915 1503 2146	-0.3 2.8 -0.5 2.9
9 Th	0314 0936 1523 2205	0.2 2.2 0.0 2.3	24 F	0332 1008 1555 2233	-0.3 2.8 -0.4 2.9
10 F	0350 1016 1559 2241	0.2 2.2 0. 2.3	25 Sa	0424 1100 1648 2321	-0.4 2.8 -0.2 2.8
11 Sa	0426 1056 1636 2317	0.2 2. 0. 2.2	26 Su	0517 1153 1741	-0.3 2.7 0.0
12 Su	0503 1138 1715 2353	0.2 2. 0.2 2.2	27 M	0008 0610 1246 1837	2.6 -0.2 2.5 0.2
13 M	0543 1222 1800	0. 2. 0.3	28 Tu	0057 0705 1342 1934	2.4 -0.1 2.4 0.4
14 Tu	0032 0628 1312 1850	2. 0. 2. 0.4	29 W	0149 0802 1440 2033	2.3 0.0 2.3 0.5
15 W	0115 0720 1407 1949	2. 0. 2. 0.5	30 Th	0244 0900 1541 2132	2.1 0.1 2.2 0.6
			31 F	0342 0956 1642 2228	2.1 0.2 2.2 0.6

AUGUST 2009

Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1 Sa	0441 1050 1737 2320	2.1 0.2 2.2 0.6	16 Su	0358 1007 1702 2242	2.3 0.0 2.5 0.5
2 Su	0536 1139 1825	2.1 0.2 2.2	17 M	0509 1109 1802 2342	2.5 -0.1 2.7 0.3
3 M	0006 0625 1224 1908	0.5 2.2 0.1 2.3	18 Tu	0613 1208 1856	2.7 -0.2 2.9
4 Tu	0051 0710 1306 1947	0.5 2.2 0.1 2.4	19 W	0037 0712 1302 1947	0.1 2.9 -0.3 3.0
5 W	0132 0753 1345 2024	0.4 2.3 0.1 2.5	20 Th	0129 0806 1354 2034	-0.1 3.0 -0.3 3.1
6 Th	0209 0833 1421 2100	0.3 2.4 0.1 2.5	21 F	0219 0857 1444 2120	-0.2 3.1 -0.2 3.1
7 F	0244 0912 1456 2135	0.3 2.4 0.1 2.5	22 Sa	0308 0947 1533 2205	-0.3 3.1 -0.1 3.0
8 Sa	0318 0951 1531 2209	0.2 2.4 0.2 2.5	23 Su	0358 1036 1622 2250	-0.2 3.0 0.1 2.9
9 Su	0352 1031 1607 2244	0.2 2.4 0.3 2.4	24 M	0445 1124 1712 2335	-0.1 2.9 0.3 2.7
10 M	0428 1111 1646 2320	0.2 2.4 0.4 2.4	25 Tu	0535 1214 1803	0.0 2.7 0.5
11 Tu	0508 1155 1728 2359	0.1 2.4 0.5 2.3	26 W	0022 0628 1306 1858	2.5 0.2 2.5 0.7
12 W	0554 1245 1820	0.1 2.4 0.6	27 Th	0111 0725 1403 1958	2.4 0.4 2.4 0.6
13 Th	0044 0648 1342 1920	2.3 0.2 2.3 0.6	28 F	0206 0826 1504 2100	2.3 0.5 2.3 0.9
14 F	0139 0751 1447 2028	2.3 0.1 2.3 0.7	29 Sa	0307 0926 1606 2159	2.2 0.5 2.3 0.9
15 Sa	0245 0900 1556 2137	2.3 0.1 2.4 0.6	30 Su	0409 1023 1702 2253	2.2 0.5 2.3 0.8
			31 M	0507 1113 1751 2341	2.3 0.5 2.4 0.8

SEPTEMBER 2009

Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1 Tu	0558 1158 1834	2.4 0.5 2.5	16 W	0603 1154 1834	3.0 0.1 3.1
2 W	0023 0644 1239 1913	0.6 2.5 0.4 2.6	17 Th	0020 0658 1246 1922	0.2 3.2 0.1 3.2
3 Th	0101 0726 1317 1950	0.5 2.6 0.4 2.7	18 F	0109 0749 1335 2008	0.0 3.3 0.1 3.2
4 F	0137 0807 1353 2028	0.4 2.7 0.4 2.7	19 Sa	0156 0838 1422 2052	-0.1 3.3 0.2 3.2
5 Sa	0211 0845 1428 2101	0.3 2.8 0.4 2.8	20 Su	0242 0924 1508 2135	-0.1 3.3 0.3 3.1
6 Su	0244 0925 1504 2137	0.3 2.8 0.4 2.7	21 M	0327 1009 1554 2218	0.0 3.2 0.4 3.0
7 M	0319 1005 1541 2213	0.2 2.8 0.5 2.7	22 Tu	0413 1055 1640 2301	0.1 3.0 0.6 2.8
8 Tu	0357 1047 1621 2251	0.2 2.8 0.6 2.6	23 W	0500 1141 1728 2346	0.3 2.9 0.8 2.7
9 W	0439 1133 1705 2334	0.2 2.7 0.7 2.6	24 Th	0550 1230 1821	0.5 2.7 1.0
10 Th	0528 1225 1759	0.3 2.7 0.8	25 F	0034 0646 1323 1920	2.5 0.7 2.5 1.1
11 F	0025 0627 1325 1902	2.5 0.4 2.6 0.9	26 Sa	0129 0747 1421 2024	2.4 0.8 2.4 1.1
12 Sa	0127 0734 1431 2014	2.5 0.4 2.6 0.9	27 Su	0230 0850 1521 2126	2.4 0.9 2.4 1.1
13 Su	0239 0846 1540 2125	2.5 0.4 2.7 0.8	28 M	0334 0949 1618 2220	2.4 0.9 2.5 1.0
14 M	0353 0955 1644 2230	2.6 0.3 2.8 0.6	29 Tu	0434 1040 1708 2306	2.5 0.8 2.6 0.9
15 Tu	0502 1057 1742 2327	2.6 0.2 2.9 0.4	30 W	0528 1126 1752 2347	2.6 0.8 2.7 0.7

Time meridian 75° W. 0000 is midnight. 1200 is noon.
Heights are referred to mean lower low water which is the chart datum of soundings.

OCTOBER 2009

Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1 Th	0613 1207 1833	2.7 0.7 2.8	16 F	0000 0540 1228 1957	0.2 3.0 0.4 3.2
2 F	0025 0657 1245 1912	0.8 2.9 0.6 2.9	17 Sa	0047 0731 1315 1942	0.1 3.4 0.4 3.2
3 Sa	0101 0738 1323 1950	0.5 3.0 0.6 2.9	18 Su	0132 0817 1400 2025	0.0 3.4 0.4 3.1
4 Su	0136 0819 1400 2028	0.4 3.1 0.6 2.9	19 M	0216 0901 1444 2107	0.0 3.3 0.5 3.0
5 M	0213 0900 1438 2106	0.3 3.1 0.6 2.9	20 Tu	0259 0944 1527 2148	0.1 3.2 0.6 2.9
6 Tu	0251 0943 1518 2147	0.2 3.1 0.6 2.9	21 W	0342 1026 1611 2230	0.3 3.0 0.8 2.8
7 W	0333 1028 1601 2230	0.2 3.1 0.7 2.8	22 Th	0427 1110 1656 2313	0.5 2.9 0.9 2.7
8 Th	0419 1117 1650 2320	0.3 3.0 0.8 2.8	23 F	0513 1155 1745	0.6 2.7 1.0
9 F	0512 1211 1747	0.4 2.9 0.9	24 Sa	0000 0605 1243 1941	2.5 0.8 2.6 1.1
10 Sa	0017 0614 1311 1853	2.7 0.5 2.8 0.9	25 Su	0052 0702 1335 1942	2.4 0.9 2.5 1.1
11 Su	0123 0723 1416 2005	2.7 0.6 2.8 0.9	26 M	0151 0804 1430 2042	2.4 1.0 2.5 1.1
12 M	0235 0835 1521 2114	2.7 0.6 2.8 0.7	27 Tu	0253 0904 1525 2136	2.4 1.0 2.5 1.0
13 Tu	0346 0943 1622 2215	2.8 0.5 2.9 0.6	28 W	0353 0958 1617 2223	2.5 0.9 2.5 0.8
14 W	0452 1044 1719 2310	3.0 0.5 3.0 0.4	29 Th	0449 1046 1705 2306	2.6 0.9 2.6 0.7
15 Th	0550 1138 1810	3.1 0.4 3.1	30 F	0538 1129 1749 2345	2.7 0.8 2.7 0.5
			31 Sa	0625 1211 1833	2.9 0.7 2.8

NOVEMBER 2009

Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1 Su	0024 0709 1251 1915	0.3 3.0 0.6 2.8	16 M	0110 0758 1339 2001	0.0 3.1 0.5 2.8
2 M	0104 0753 1332 1957	0.2 3.1 0.6 2.9	17 Tu	0153 0840 1422 2043	0.0 3.0 0.5 2.8
3 Tu	0145 0838 1415 2041	0.1 3.2 0.6 2.9	18 W	0235 0921 1503 2123	0.1 2.9 0.6 2.7
4 W	0229 0924 1459 2127	0.1 3.2 0.6 2.9	19 Th	0316 1001 1545 2204	0.2 2.8 0.6 2.6
5 Th	0315 1012 1547 2217	0.1 3.1 0.6 2.9	20 F	0358 1042 1628 2245	0.3 2.7 0.7 2.5
6 F	0406 1103 1640 2311	0.1 3.0 0.6 2.8	21 Sa	0441 1123 1713 2330	0.5 2.6 0.8 2.4
7 Sa	0501 1158 1739	0.2 3.0 0.7	22 Su	0526 1205 1801	0.6 2.5 0.8
8 Su	0011 0604 1255 1844	2.7 0.4 2.9 0.7	23 M	0018 0615 1250 1854	2.3 0.7 2.4 0.8
9 M	0116 0711 1355 1952	2.7 0.5 2.8 0.6	24 Tu	0111 0709 1338 1948	2.2 0.8 2.3 0.8
10 Tu	0225 0821 1458 2057	2.7 0.5 2.8 0.5	25 W	0208 0807 1428 2041	2.2 0.8 2.3 0.7
11 W	0333 0926 1556 2156	2.8 0.5 2.8 0.3	26 Th	0307 0904 1520 2132	2.3 0.8 2.3 0.6
12 Th	0436 1026 1652 2250	2.9 0.5 2.8 0.2	27 F	0405 0958 1613 2219	2.4 0.8 2.3 0.4
13 F	0534 1120 1744 2339	3.0 0.5 2.9 0.1	28 Sa	0500 1048 1704 2305	2.5 0.7 2.4 0.2
14 Sa	0626 1209 1833	3.1 0.5 2.9	29 Su	0552 1135 1754 2351	2.6 0.6 2.5 0.0
15 Su	0026 0714 1255 1918	0.0 3.1 0.5 2.9	30 M	0642 1222 1843	2.8 0.5 2.6

DECEMBER 2009

Day	Time h.m.	Ht. ft.	Day	Time h.m.	Ht. ft.
1 Tu	0037 0731 1308 1932	-0.1 2.9 0.4 2.7	16 W	0134 0822 1402 2022	-0.1 2.6 0.3 2.4
2 W	0124 0819 1355 2022	-0.2 3.0 0.3 2.7	17 Th	0215 0901 1443 2102	-0.1 2.6 0.3 2.3
3 Th	0212 0908 1444 2113	-0.3 3.0 0.2 2.8	18 F	0255 0938 1523 2142	0.0 2.5 0.3 2.3
4 F	0302 0958 1535 2200	-0.3 3.0 0.2 2.8	19 Sa	0334 1015 1602 2222	0.0 2.4 0.4 2.2
5 Sa	0355 1048 1629 2302	-0.2 2.9 0.2 2.7	20 Su	0412 1052 1641 2303	0.1 2.4 0.4 2.2
6 Su	0451 1140 1727	-0.1 2.8 0.2	21 M	0451 1130 1722 2346	0.2 2.3 0.4 2.1
7 M	0001 0551 1233 1828	2.7 0.1 2.7 0.2	22 Tu	0532 1208 1804	0.4 2.2 0.4
8 Tu	0102 0654 1329 1931	2.6 0.2 2.6 0.1	23 W	0033 0617 1249 1850	2.0 0.5 2.1 0.4
9 W	0207 0758 1427 2033	2.6 0.3 2.5 0.1	24 Th	0124 0708 1334 1941	2.0 0.5 2.0 0.3
10 Th	0312 0903 1526 2132	2.5 0.4 2.5 0.0	25 F	0219 0806 1424 2036	2.0 0.6 2.0 0.2
11 F	0415 1004 1624 2227	2.6 0.4 2.4 0.0	26 Sa	0320 0906 1520 2132	2.1 0.6 2.0 0.1
12 Sa	0514 1059 1719 2318	2.6 0.4 2.4 -0.1	27 Su	0421 1005 1619 2228	2.2 0.5 2.1 -0.1
13 Su	0608 1150 1810	2.6 0.4 2.4	28 M	0521 1102 1720 2322	2.3 0.4 2.2 -0.2
14 M	0006 0656 1236 1857	-0.1 2.6 0.4 2.4	29 Tu	0618 1155 1818	2.4 0.3 2.3
15 Tu	0051 0741 1320 1941	-0.1 2.6 0.3 2.4	30 W	0015 0711 1247 1914	-0.4 2.6 0.1 2.4
			31 Th	0107 0802 1339	-0.5 2.7 0.0

Formerly 845-SC, 1st Edition, 1963

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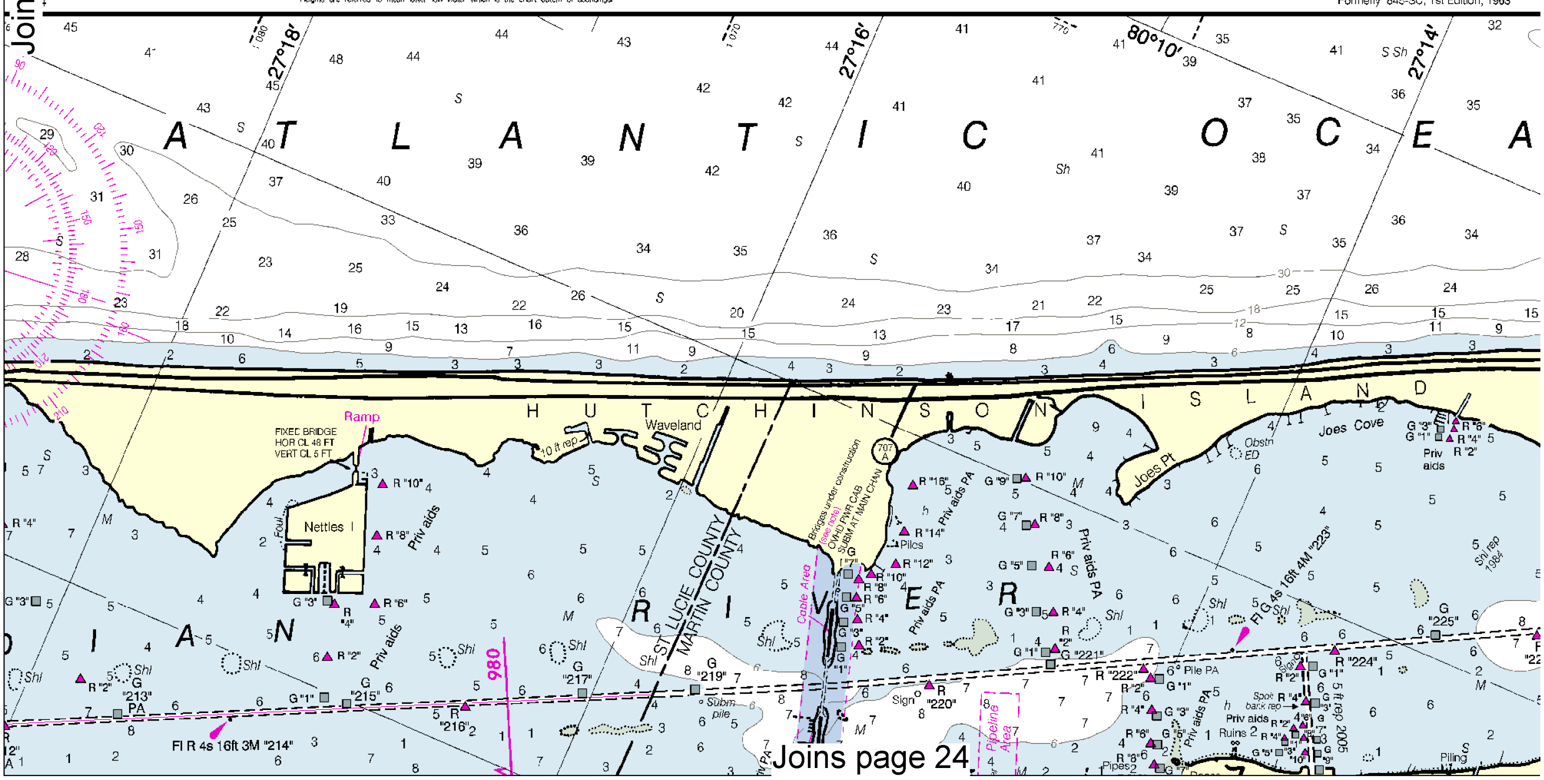
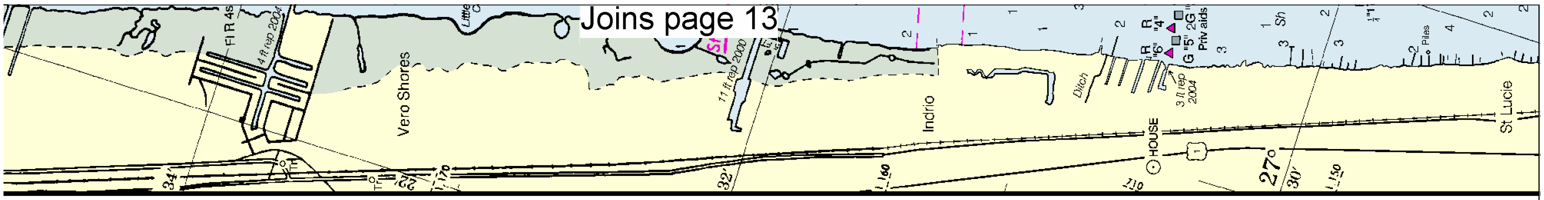


Joins page 24

Printed at reduced scale. SCALE 1:40,000 See Note on page 5.

Nautical Miles
1 ½ 0 1 2 3
Yards
1000 0 1000 2000 3000 4000 5000

Joins page 13



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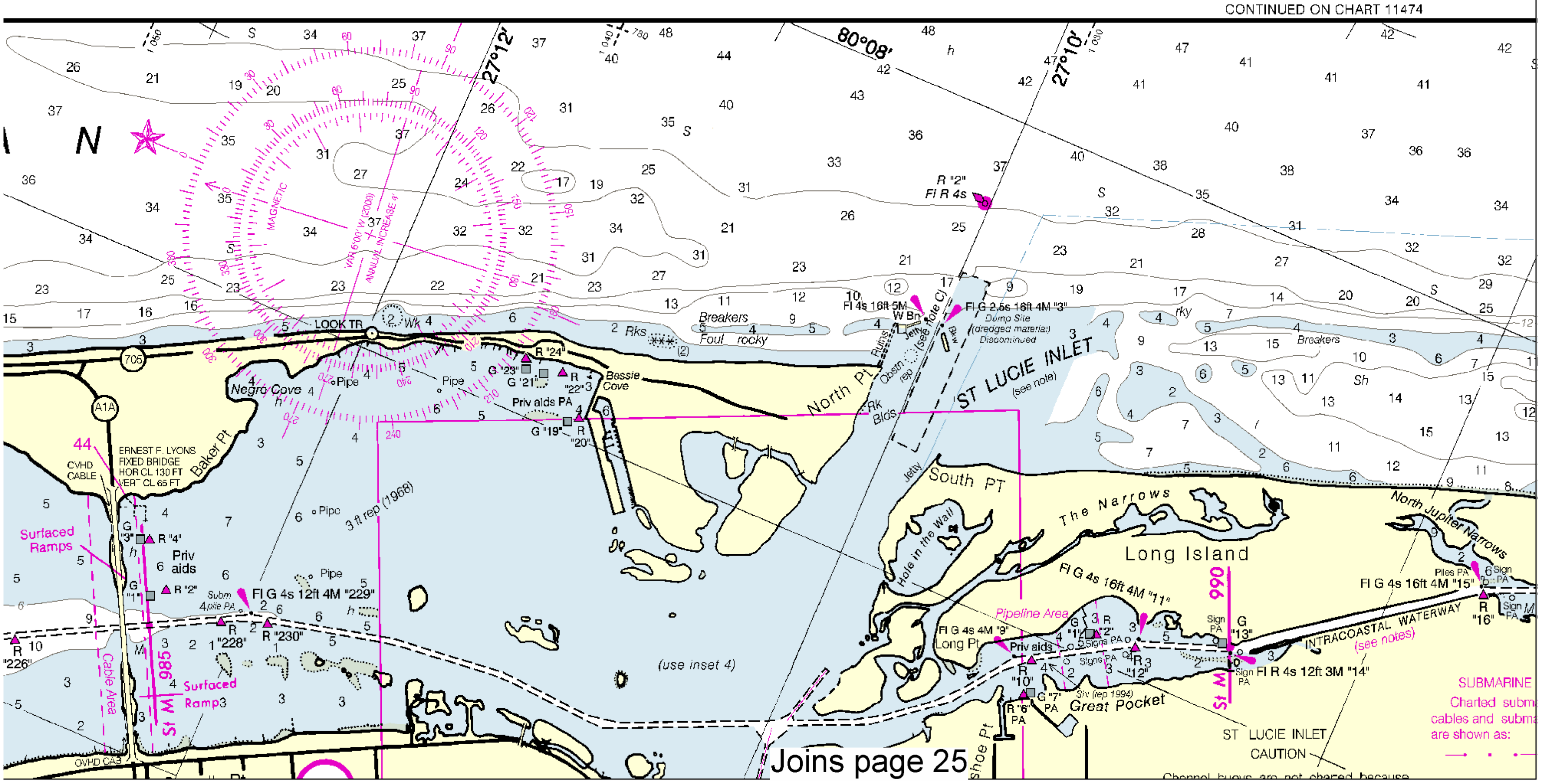
			DEPTHS		SERVICES									SUPPLIES					
NO	SMALL CRAFT FACILITY	CHART SIDE	APPROACH-FEET (REPORTED)	ALONGSIDE-FEET (REPORTED)	ELECTRICITY-MOORINGS-BERTHS (TRANSIENTS)	RAMP SURFACED-NATURAL	REPAIRS HULL-MOTOR-RADIO	MARINE RAILWAY-FEET	LIFT CAPACITY-TONS	BOAT RENTAL CANOE-ROW-MOTOR-KAYAK	CHARTER-HOUSE-SAIL	FOOD-LODGING-CAMPING	TOILETS-SHOWERS-LAUNDRY / PUMP-OUT STATION	WINTER STORAGE WET-DRY	NAUTICAL CHART SALES	WATER-ICE	GROCERIES-HARDWARE	BAIT-TACKLE	DIESEL OIL-GASOLINE
1	WINDWARD HARBOR MARINA	A	7	7	B E		HMR		0		S	F	TSLP	D	C	WI	H		DG
2	TELEMAR BAY MARINA	A	12	8	BME		HMR		40	CRMK			TSLP	W		WI			DG
3	ANCHORAGE YACHT BASIN	A	6	6	B E		HMR		4	M			TSLP		C	WI	GH	BT	DG
9C	MELBOURNE HARBOR MARINA	A	8	8	B E						C	F	TSLP	W		WI	H		DG
13	PALM BAY MARINA	A	4	5	BME	S	HMR		10	C			TS P	WD	C	WI	H	BT	DG
14	PELICAN HARBOR MARINA	A	5	8	ME		MR			CM			P			W	H		G
16	TREASURE COAST MARINA	A	6	8	BME	S				CM			TS P	D	C	WI	GH	BT	DG
18	SEBASTIAN RIVER MARINA	A	5	5	B E		HMR		40			F	TS P	WD		W			DG
24	FINS MARINA	A	5	5	B E							F	TS P			WI			DG
25	CAPT. HIRAM'S RESORT	A	5	5	B E					M	C	FL	TSLP	W	C	WI			DG
26	CAPT. HIRAM'S	A	5	5	B E					MK	C	FL	TSLP		C	WI	G		DG
27	VERO BEACH MUNICIPAL MARINA	A	9	10	BME	S							TSLP	W		WI			DG
28	LOGGERHEAD CLUB & MARINA	A	6½	7	B E								TSLP	W		WI	H		DG
32	TAYLOR CREEK MARINA	A	10	3½	B E		HMR		1				T P	WD	C	WI	GH	BT	G
34	HARBORTOWN MARINA	B	8	7	B E		HMR		99	M	C	F	TSLP	WD		WI	GH	BT	DG
39	FORT PIERCE CITY MARINA	A	6½	6½	B E						C	F	TSLP	W	C	WI			DG
44	HUTCHINSON ISLAND MARRIOT	B	7	7	B E	S	H			RMK	C	FL	TSLP	WD	C	WI	GH		DG
46	MARINER CAY MARINA	A	6	6	B E								TSLP			I			DG
49	PIRATES COVE MARINA	B	6	5	BME	S	M		6		C	FL	TSLP	WD	C	WI	H	BT	DG
51	MANATEE MARINA	B	6	6	B E		HMR		7			F	T P	WD	C	WI			DG
59	JIB YACHT CLUB AND MARINA	B	8	8	B E						C		TSLP		C	WI	H	BT	DG
70	JONATHAN'S LANDING MARINA	B	11	9	B E		HMR		5			F	TSLP	D	C	WI	H	BT	DG
73B	OLD PORT COVE MARINA	B	8	10	B E		HM						TSLP	W		WI	H	BT	DG
73E	LOGGERHEAD CLUB & MARINA	B	8	8	B E								TSLP		C	WI	H		DG
74	NORTH PALM BEACH MARINA	B	10	8	B E						C	FL	TSLP	W		WI		BT	DG
76	LAKE PARK HARBOR MARINA	B	8	6	B E	S							TSLP	W		WI		BT	DG
80	NEW PORT COVE MARINE CENTER	B	8	7	B E		MR		4			F	T P		C	WI	GH	BT	DG
83	RIVIERA BEACH MARINA	B	6	8	B		M		8	K	C	F	TSLP			WI			DG
85	CANNONSPORT MARINA	B	6	14	B E							FL	T P		C	WI	GH	T	DG
86	BUCCANEER MARINA	B	10	10	B E							FL	TSLP		C	WI		BT	DG
87	SAILFISH MARINA	B	9	9	B E		R				C	FL	TSLP		C	WI		BT	DG
93	RYBOVICH MARINA	B	12	10	B E		HMR	100	99				TS P	WD	C	WI	H		DG
94	PALM BEACH YACHT CLUB	B	10	10	B E						C	F	TSLP			WI			G
96	PALM HARBOR MARINA	B	10	10	B E								TSLP	W	C	WI	GH		DG

THE LOCATIONS OF THE ABOVE PUBLIC MARINE FACILITIES ARE SHOWN ON THE CHART BY MAGENTA NUMBERS AND LEADERS.
THE TABULATED "APPROACH-FEET (REPORTED)" IS THE DEPTH AVAILABLE FROM THE NEAREST NATURAL OR DREDGED CHANNEL TO THE FACILITY.
THE TABULATED "PUMP-OUT STATION" IS DEFINED AS FACILITIES AVAILABLE FOR PUMPING OUT BOAT HOLDING TANKS.

CONTINUED ON CHART 11474



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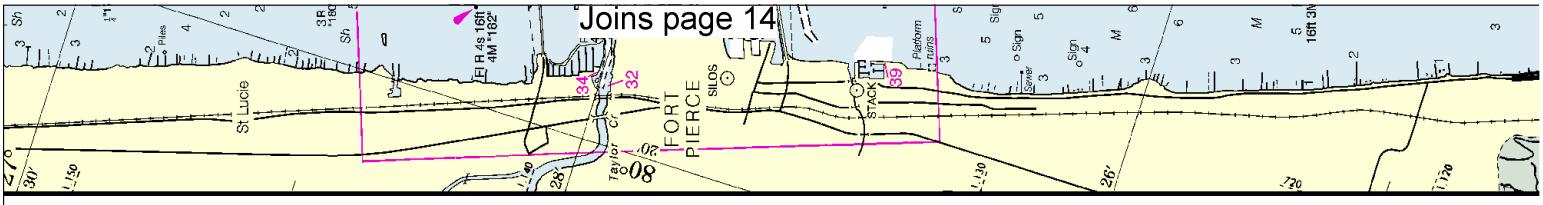
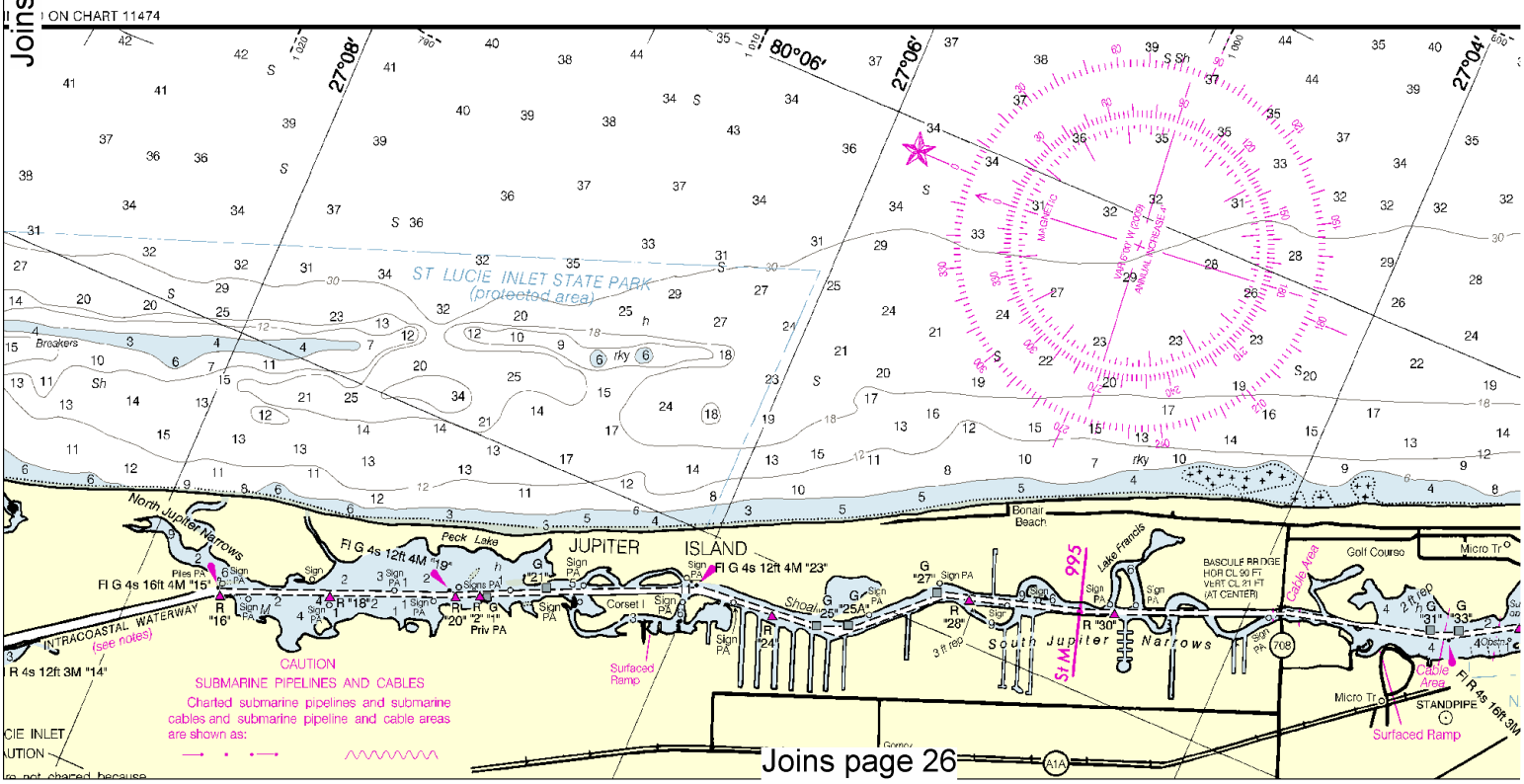
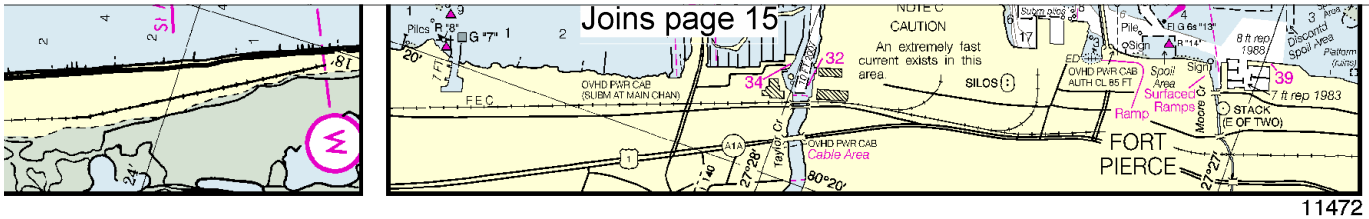




Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000



CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

PLANE COORDINATE GRID

(based on NAD 1927)

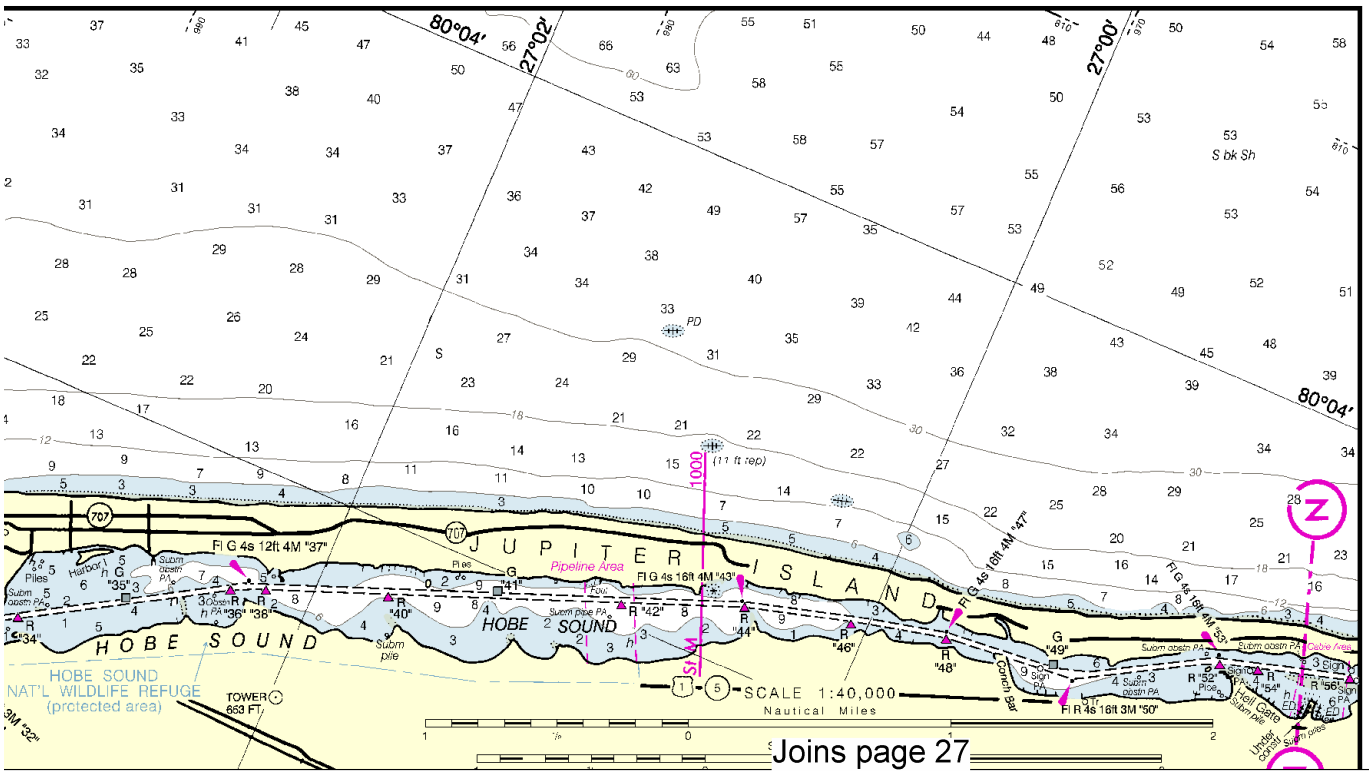
Florida State Grid, East Zone, is indicated by dashed ticks at 10,000 foot intervals. The last three digits are omitted.

NOTE D

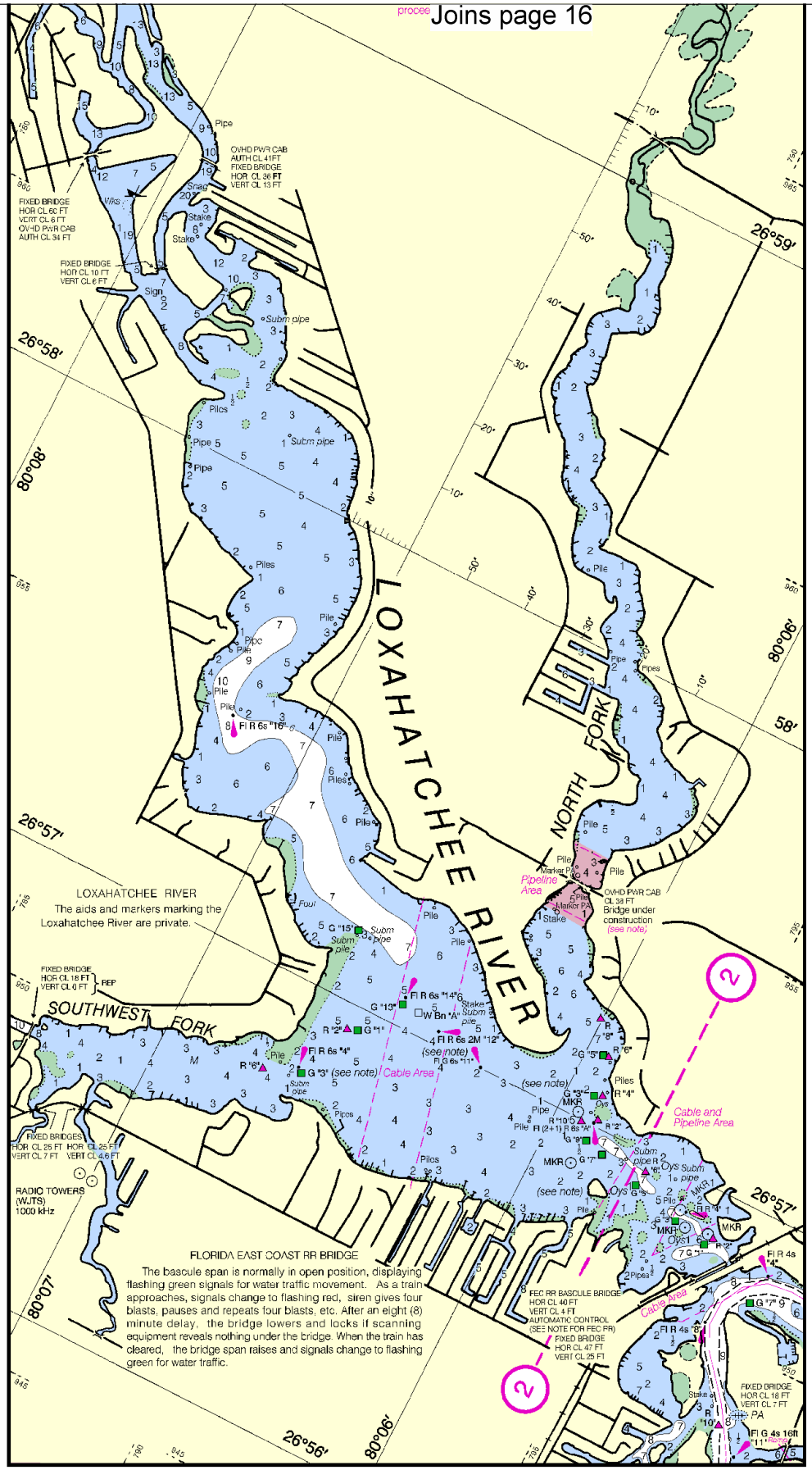
Depths charted within limits of Dump Sites are from surveys prior to 1963.

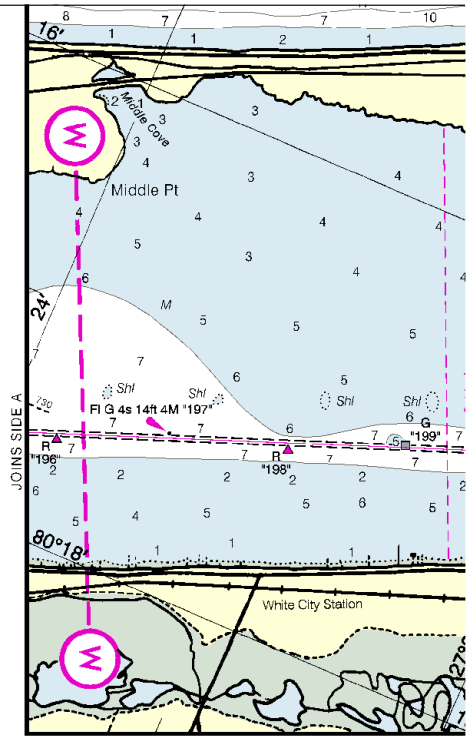
NOTE S

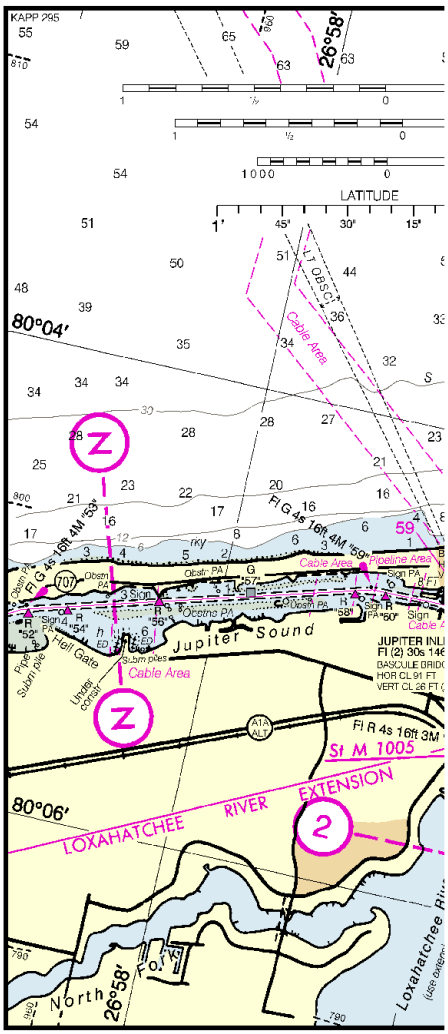
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.



Joins page 16







SIDE B

CONTINUED ON LOXAHATCHEE RIVER EXTENS

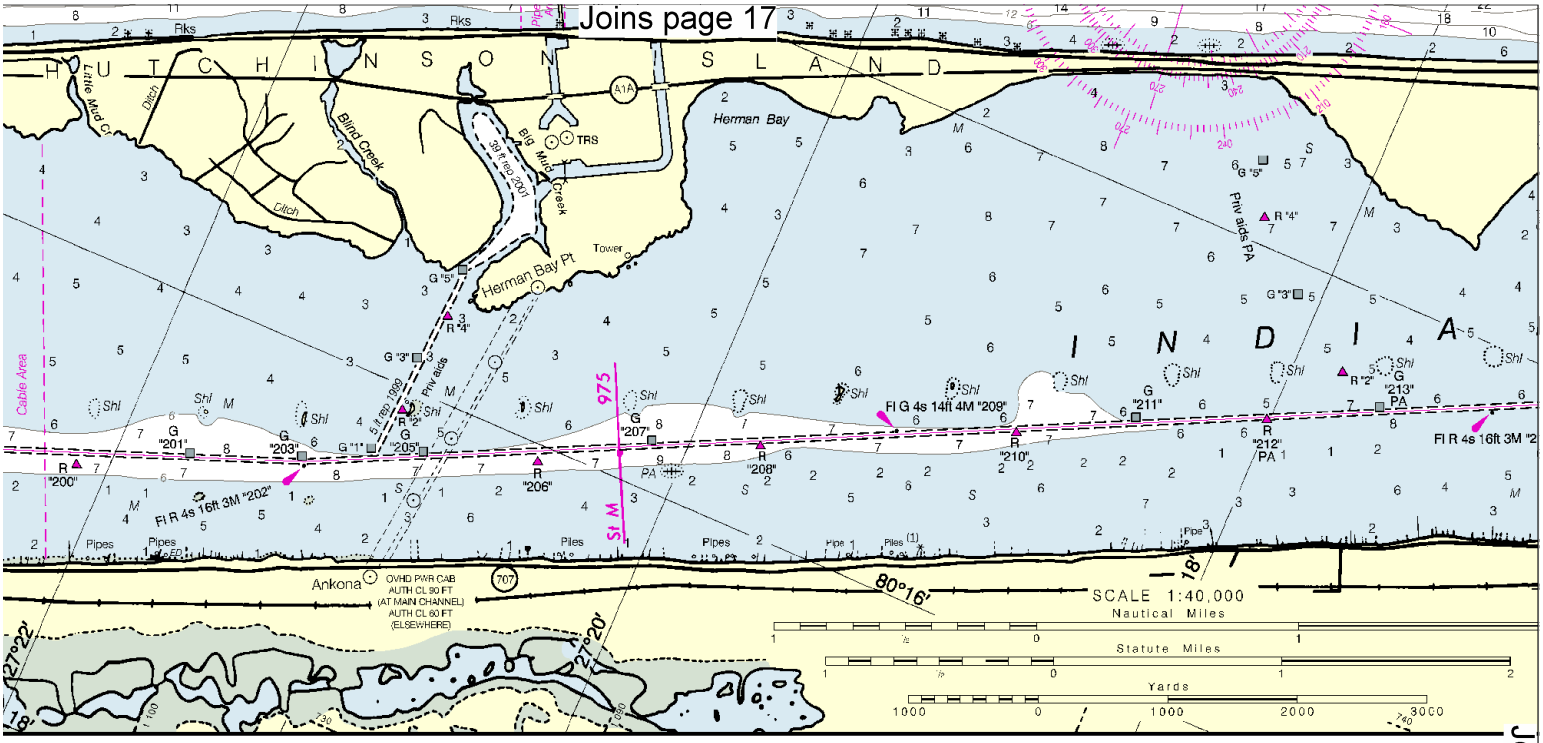
11472 34th Ed., Jul. /09; Corrected through NM Jul. 04/09, LNM Jun. 30/09

Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

Nautical Miles: 1 ½ 0 1 2 3

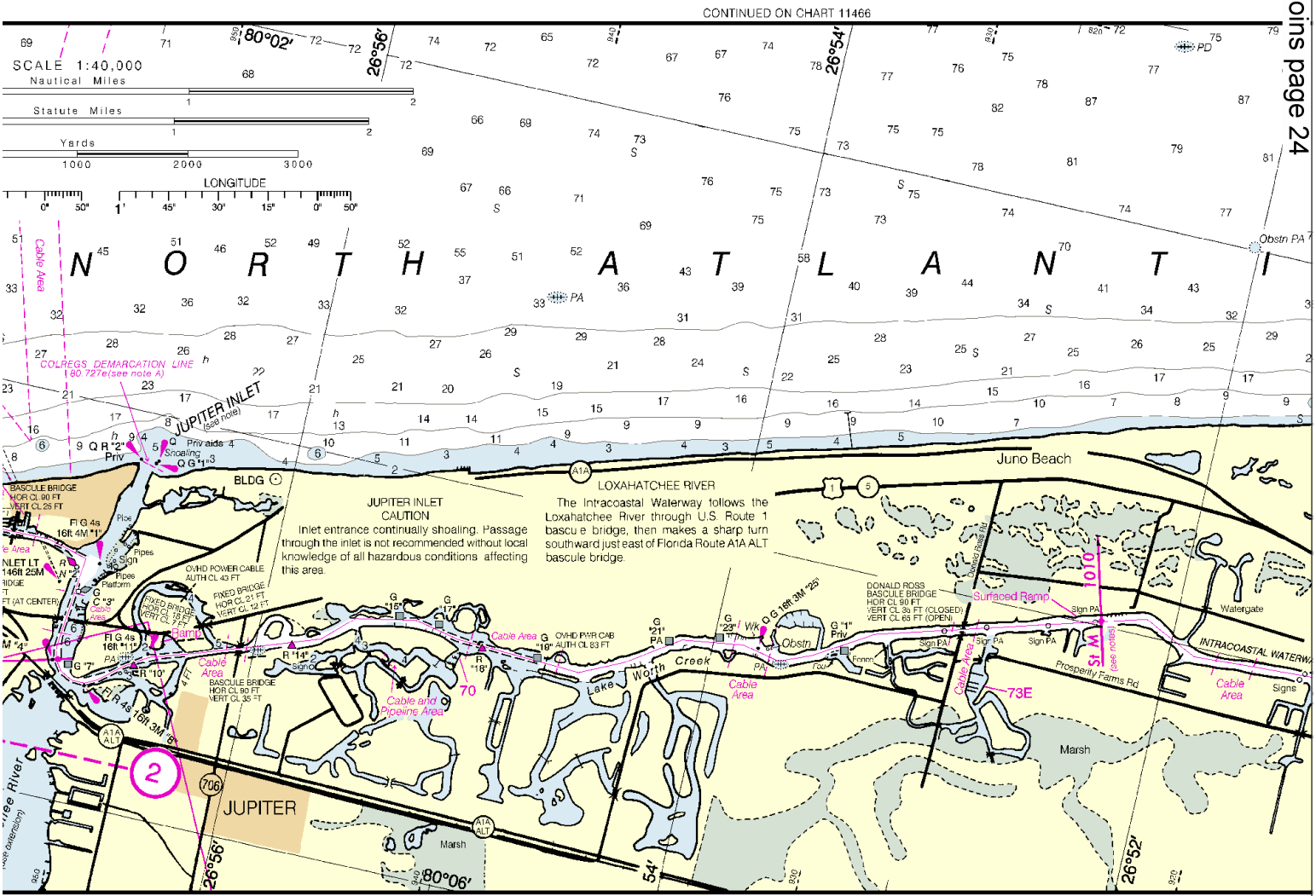
Yards: 1000 0 1000 2000 3000 4000 5000

Joins page 17

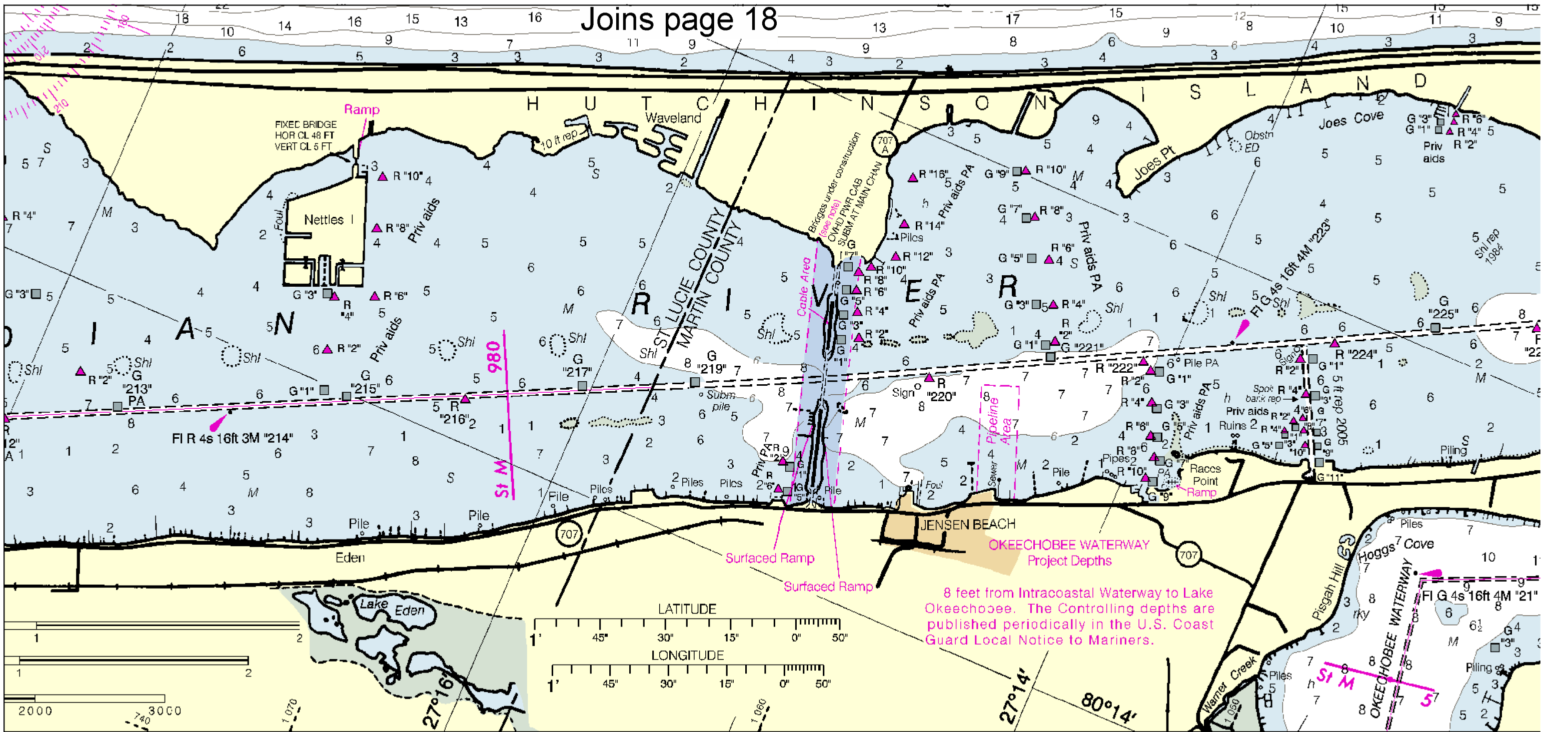


CONTINUED ON CHART 11466

Joins page 24



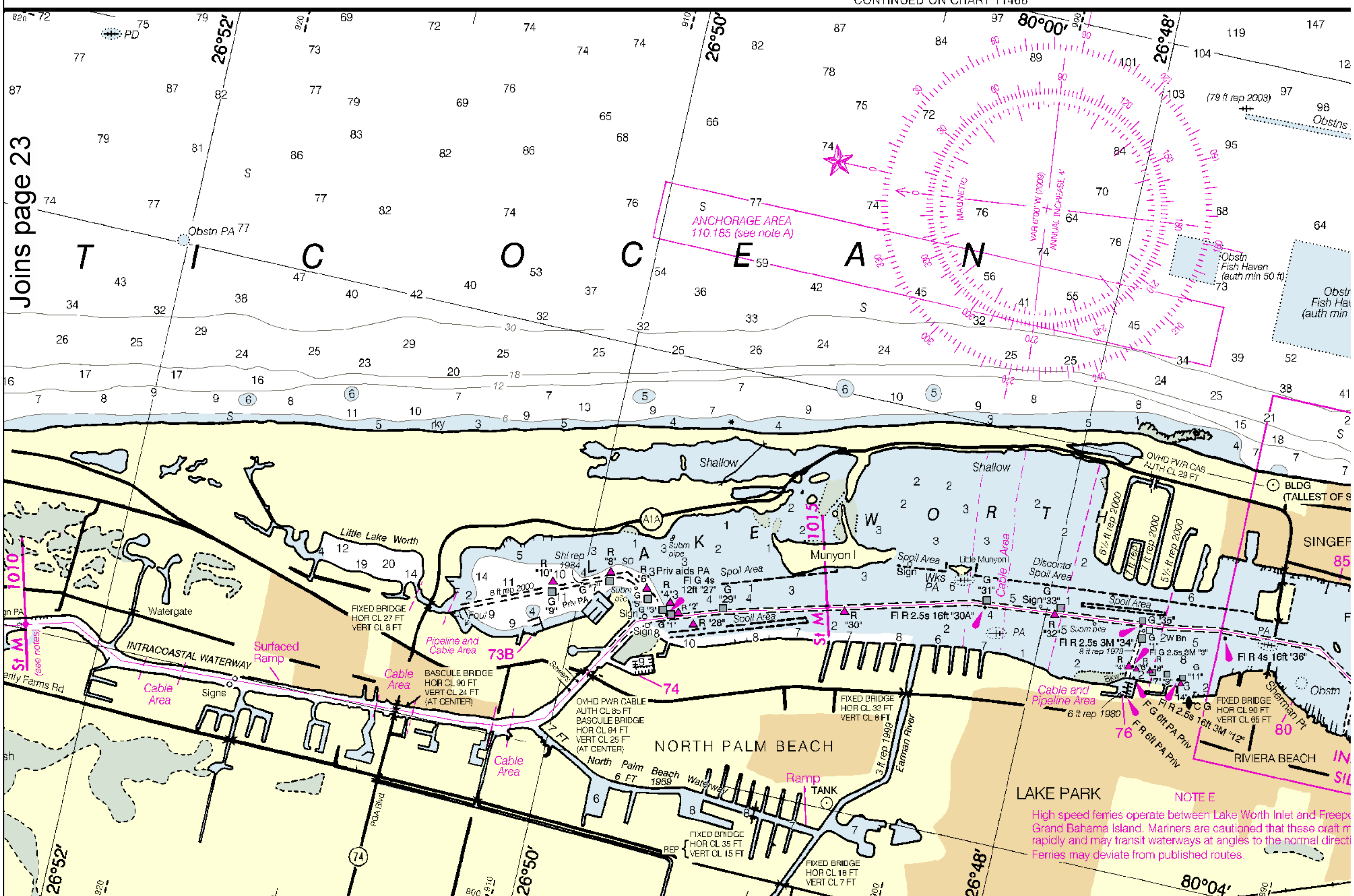
Joins page 18



CONTINUED ON CHART 11466

JOINS CHART 11428 (SIDE A)

Joins page 23



Printed at reduced scale.

~~SCALE 1:40,000~~

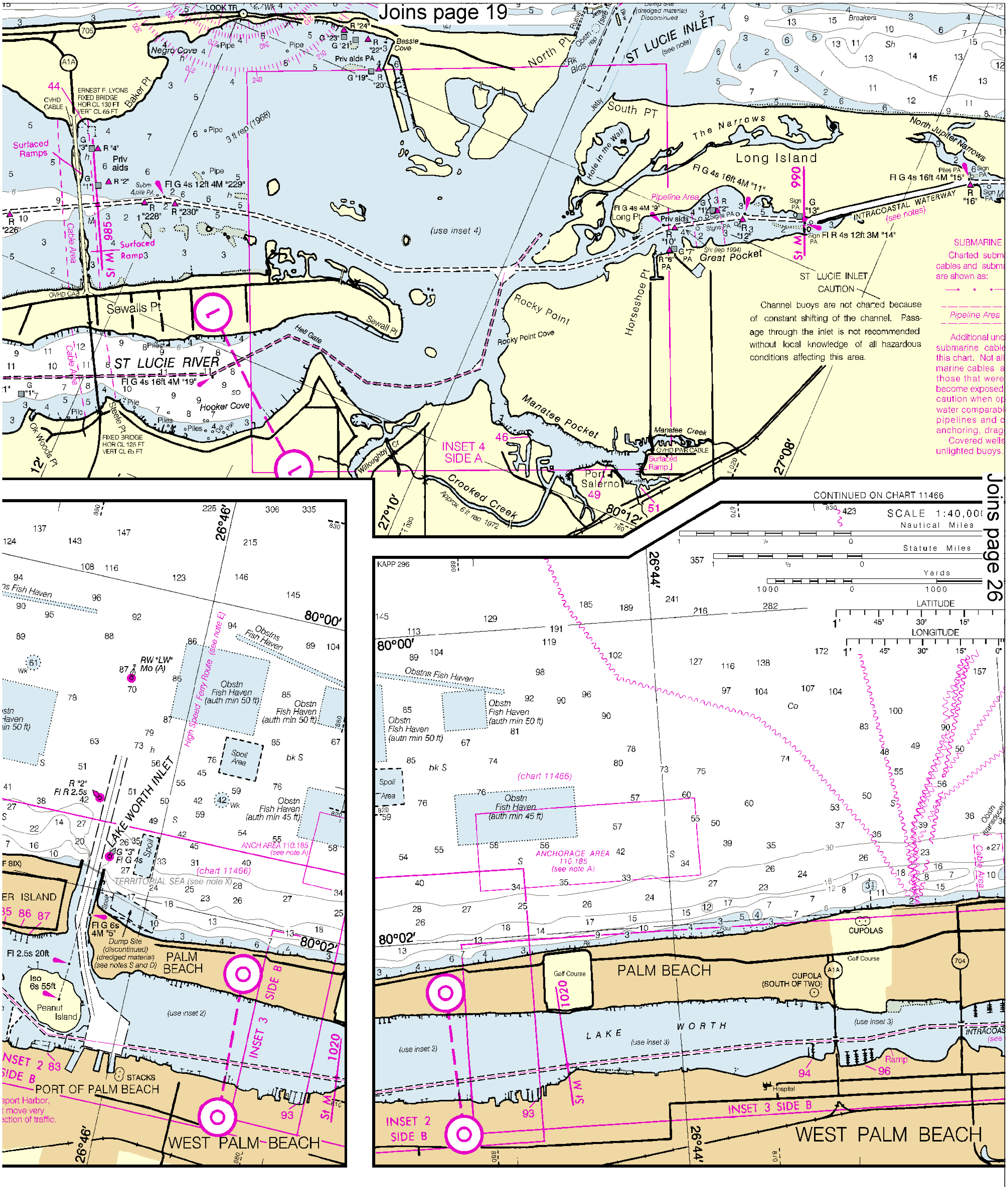
See Note on page 5.

Nautical Miles

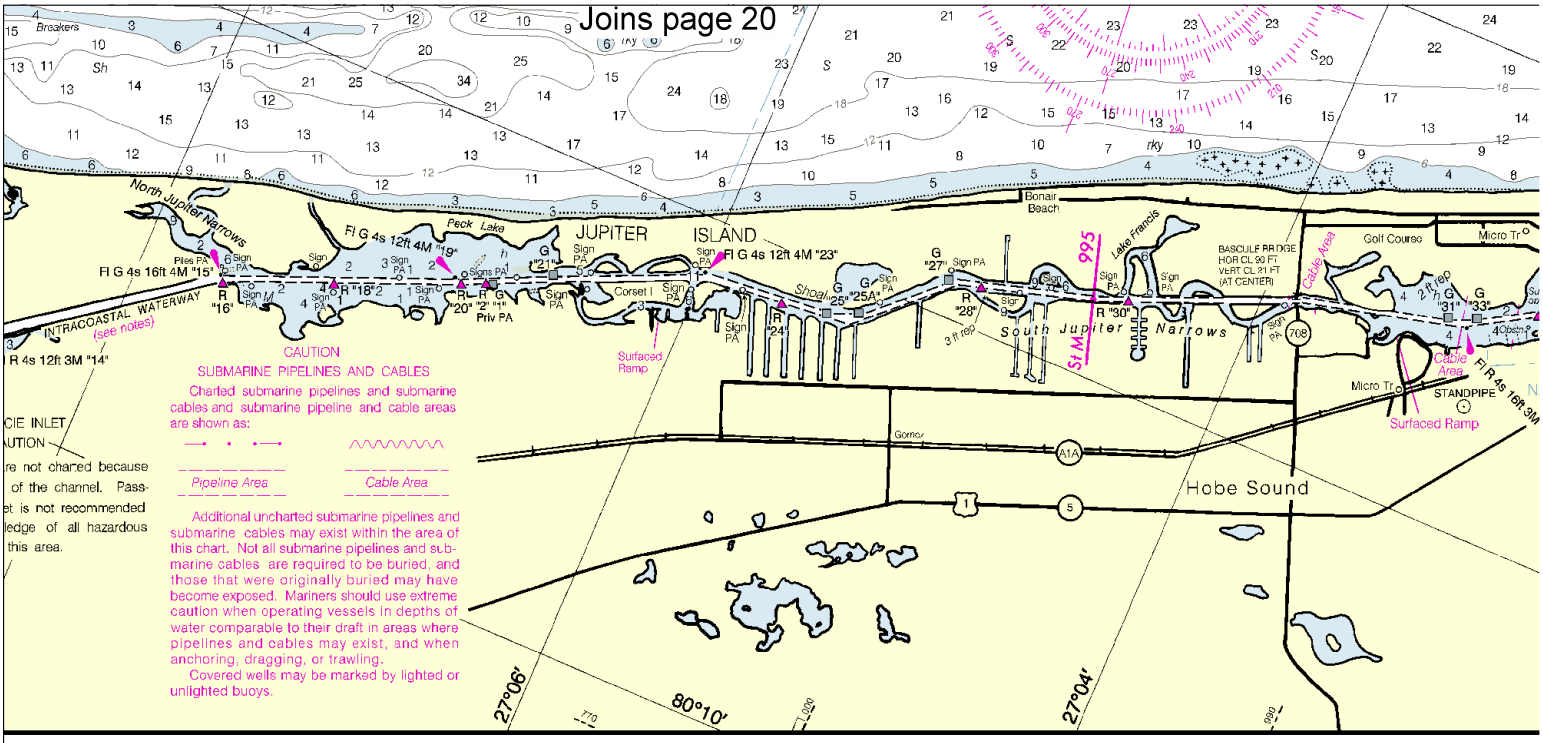
1 ½ 0 1 2 3

Yards

1000 0 1000 2000 3000 4000 5000


Joins page 19
Joins page 26
ST LUCIE INLET
(see note)
North Pt
South PT
The Narrows
Long Island
North Jupiter Narrows
INTRACOASTAL WATERWAY
(see notes)
Fl G 4s 16ft 4M "11"
Fl G 4s 16ft 4M "15"
Fl R 4s 12ft 3M "14"
Fl G 4s 4M "9"
Long Pt
Priv aids
Pipeline Area
Great Pocket
Hole in the Wall
Bessie Cove
Negro Cove
Baker Pt
ERNEST F. LYONS
FIXED BRIDGE
HOR CL 130 FT
VERT CL 65 FT
CVHD CABLE
Surfaced Ramps
Priv aids
Fl G 4s 12ft 4M "229"
Cable Area
Surfaced Ramp
(use inset 4)
Sewalls Pt
Sewall Pt
Hell Gate
ST LUCIE RIVER
Fl G 4s 16ft 4M "19"
Hooker Cove
FIXED BRIDGE
HOR CL 125 FT
VERT CL 65 FT
Ok Woods Pt
Rocky Point
Rocky Point Cove
Horseshoe Pt
Manatee Pocket
Manatee Creek
OVHD PWR CABLE
Surfaced Ramp
INSET 4
SIDE A
Willoughby Cr
Crooked Creek
Port Salerno
80°12'
27°10'
27°08'
SUBMARINE
Charted submarine cables and submarine pipelines are shown as:
Pipeline Area
Additional uncharted submarine cables and submarine pipelines may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.
Covered wells may be marked by lighted or unlighted buoys.
ST LUCIE INLET CAUTION
Channel buoys are not charted because of constant shifting of the channel. Passage through the inlet is not recommended without local knowledge of all hazardous conditions affecting this area.
CONTINUED ON CHART 11466
SCALE 1:40,000
Nautical Miles
Statute Miles
Yards
LATITUDE
LONGITUDE
KAPP 296
Obstns Fish Haven
Obstn Fish Haven (auth min 50 ft)
Obstn Fish Haven (auth min 45 ft)
RW "LW" Mo (A)
High Speed Ferry Route (see note E)
Spoil Area
LAKE WORTH INLET
R "2" Fl R 2.5s
G "3" Fl G 4s
ANCH AREA 110.185 (see note A)
ANCHORAGE AREA 110.185 (see note A)
(chart 11466)
TERRITORIAL SEA (see note X)
PEANUT ISLAND
Fl G 6s 4M "5"
Dump Site (discontinued) (dredged material) (see notes S and D)
Fl 2.5s 20ft
Iso 6s 55ft
Peanut Island
PALM BEACH
(use inset 2)
(use inset 3)
INSET 3
INSET 3 SIDE B
INSET 2
SIDE B
STACKS
PORT OF PALM BEACH
WEST PALM BEACH
Golf Course
CUPOLAS
CUPOLA (SOUTH OF TWO)
LAKE WORTH
Hospital
Ramp
80°00'
80°02'
26°46'
26°44'

Joins page 20



CAUTION

SUBMARINE PIPELINES AND CABLES

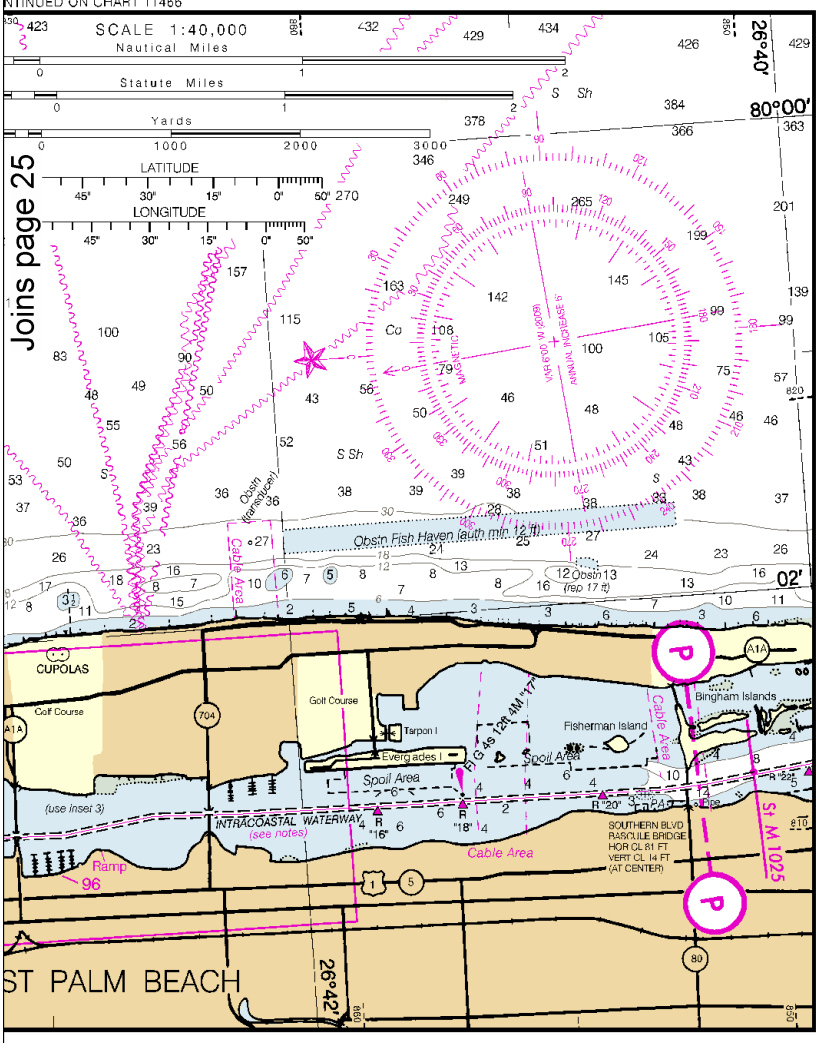
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area — Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

NTINUED ON CHART 11466



Joins page 25

SCALE 1:24,000

LATITUDE

LONGITUDE

Nautical Miles

Yards

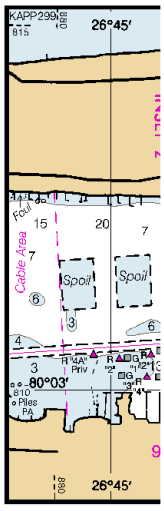
LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. With right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in

JOINS CHART 11467 (SIDE A)

LOXAHATCHEE RIVER

The Intracoastal Waterway follows the Loxahatchee River through U.S. Route 1 bascule bridge, then makes a sharp turn southward just east of Florida Route A1A ALT bascule bridge (Loxahatchee River Extension).

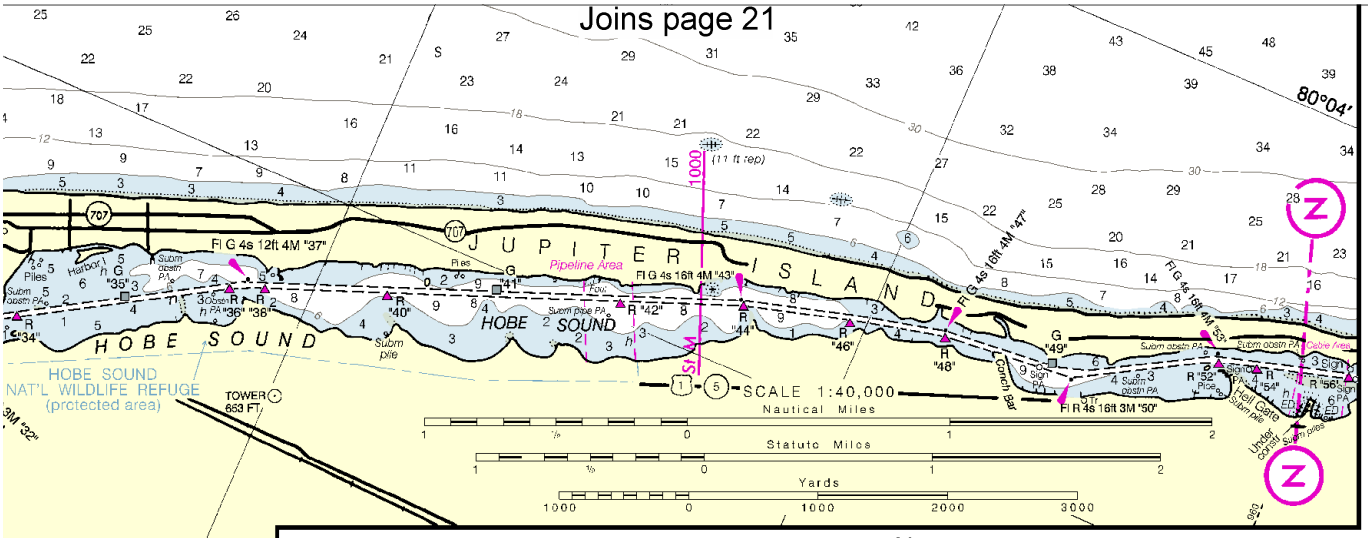


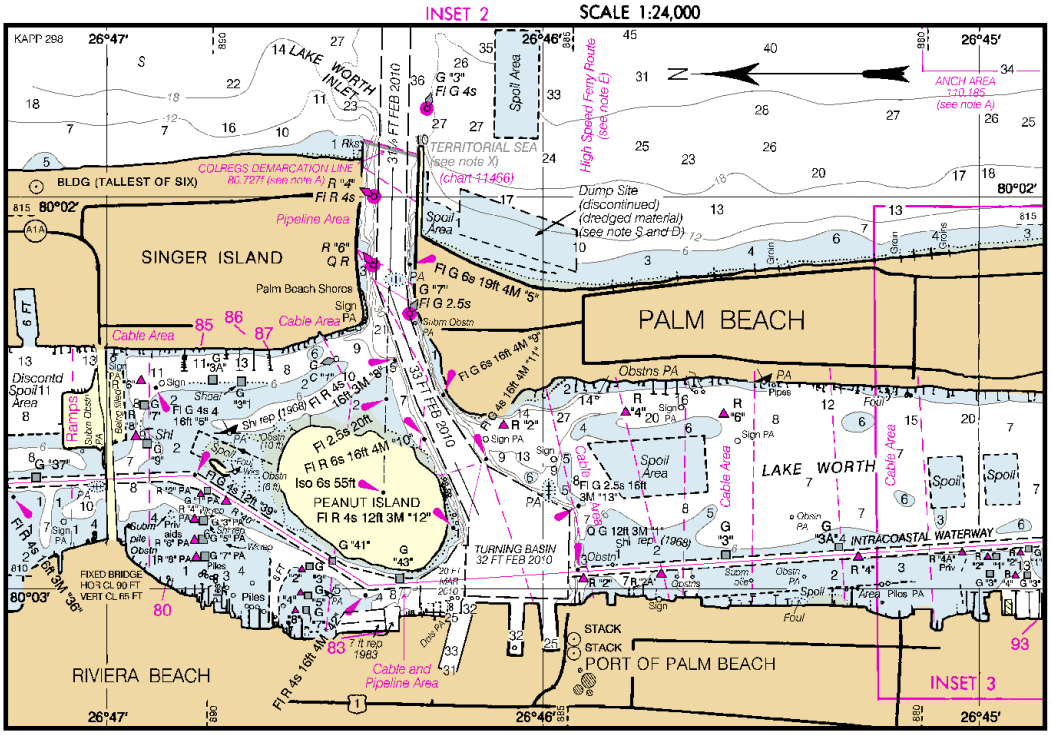
Printed at reduced scale. ~~SCALE 1:40,000~~ See Note on page 5.

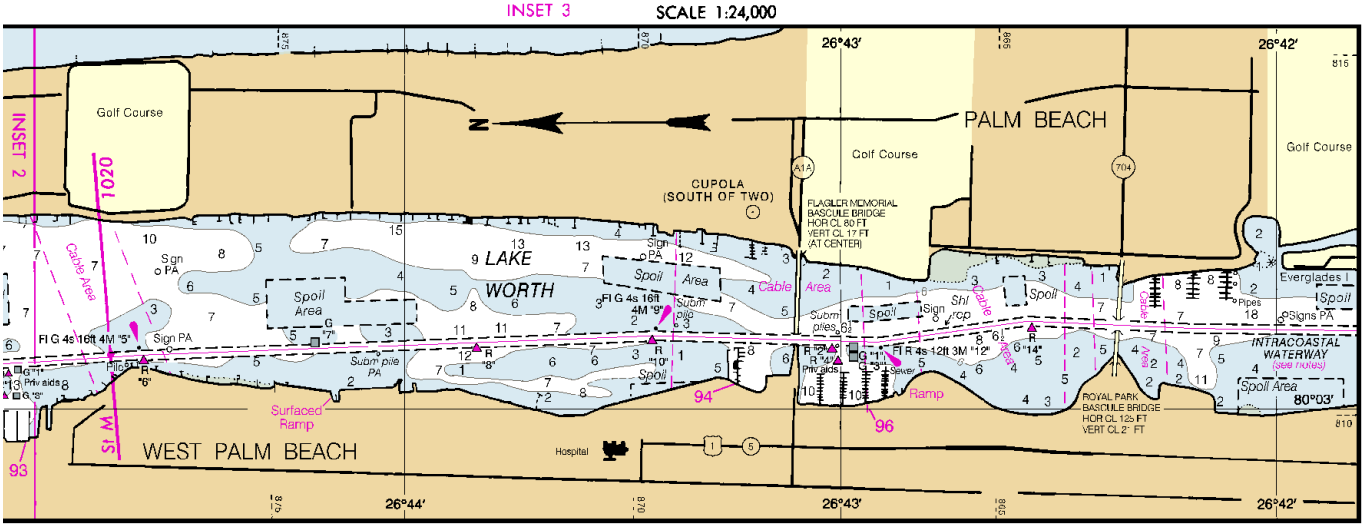
Nautical Miles

Yards

Joins page 21







50'
50'
1
2000

20 25 30 40 50 60

Without changing divider spread, place
in 15 minutes, the speed is 16.0 knots.

SIDE B

11472

EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.
Channel 9 – Communications between boats and ship-to-coast.
Channel 13 – Navigation purposes at bridges, locks, and harbors.
Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.
Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.
Channels 68, 69, 71, 72 & 78A – Recreational boat channels.

Distress Call Procedures

1. Make sure radio is on.
2. Select Channel 16.
3. Press/Hold the transmit button.
4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
5. Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
6. Release transmit button.
7. Wait for 10 seconds – If no response Repeat MAYDAY Call.

HAVE ALL PERSONS PUT ON LIFE JACKETS !!

Mobile Phones – Call 911 for water rescue.
Coast Guard Canaveral – 321-868-4200
Coast Guard Fort Pierce – 772-464-6100
Coast Guard Lake Worth Inlet– 561-844-4470
Coast Guard Atlantic Area Cmd – 757-398-6390
Indiatlantic Fire & Rescue – 321-723-0366
Florida Fish & Wildlife Conservation Comm – 888-404-3922

NOAA Weather Radio – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

Getting and Giving Help – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

NOAA, The Nation's Chartmaker

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Official NOAA Nautical Charts – NOAA surveys and charts the national and territorial waters of the U.S, including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: www.NauticalCharts.NOAA.gov.

Official Print-on-Demand Nautical Charts – These full-scale NOAA charts are updated weekly by NOAA for all Notice to Mariner corrections. They have additional information added in the margin to supplement the chart. Print-on-Demand charts meet all federal chart carriage regulations for charts and updating. Produced under a public/private partnership between NOAA and OceanGrafix, LLC, suppliers of these premium charts are listed at www.OceanGrafix.com.

Official Electronic Navigational Charts (NOAA ENCs®) – ENCs are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENCs comply with standards of the International Hydrographic Organization. ENCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official Raster Navigational Charts (NOAA RNCs™) – RNCs are geo-referenced digital pictures of NOAA's charts that are suitable for use in computer-based navigation systems. RNCs comply with standards of the International Hydrographic Organization. RNCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official BookletCharts™ – BookletCharts™ are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is www.NauticalCharts.gov/bookletcharts.

Official PocketCharts™ – PocketCharts™ are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

Official U.S. Coast Pilot® – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at www.NauticalCharts.NOAA.gov.

Official On-Line Chart Viewer – All NOAA nautical charts are viewable here on-line using any Internet browser. Each chart is up-to-date with the most recent Notices to Mariners. Use these on-line charts as a ready reference or planning tool. The Internet address is www.NauticalCharts.gov/viewer.

Official Nautical Chart Catalogs – Large format, regional catalogs are available for free from official chart agents. Page size, state catalogs are posted on the Internet and can be printed at home for free. Go to http://NauticalCharts.NOAA.gov/mcd/ccatalogs.htm.

Internet Sites: www.NauticalCharts.NOAA.gov, www.NOAA.gov, www.TidesandCurrents.NOAA.gov, www.NOS.NOAA.gov.